

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101424\
 Data File : VD079970.D
 Acq On : 14 Oct 2024 10:16
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 15 03:10:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 03:20:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

10/15/2024
 Supervised By :Semsettin
 Yesilyurt

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	154668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	249327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	230908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128702	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89425	50.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.660%
35) Dibromofluoromethane	7.804	113	88263	49.047	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.100%
50) Toluene-d8	10.269	98	318194	49.618	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.240%
62) 4-Bromofluorobenzene	12.569	95	117826	52.634	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.260%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.934	85	72575	47.741	ug/l 99
3) Chloromethane	2.152	50	73707	47.207	ug/l 95
4) Vinyl Chloride	2.287	62	93909	48.375	ug/l 99
5) Bromomethane	2.693	94	70127	41.992	ug/l 99
6) Chloroethane	2.840	64	61582	46.468	ug/l 97
7) Trichlorofluoromethane	3.175	101	154213	50.704	ug/l 97
8) Diethyl Ether	3.593	74	47500	56.856	ug/l 100
9) 1,1,2-Trichlorotrifluo...	3.969	101	94514	50.596	ug/l 98
10) Methyl Iodide	4.163	142	92904	50.720	ug/l 98
11) Tert butyl alcohol	5.052	59	31349	291.314	ug/l # 83
12) 1,1-Dichloroethene	3.940	96	81908	49.289	ug/l 96
13) Acrolein	3.799	56	23538	203.999	ug/l 99
14) Allyl chloride	4.563	41	131748	53.375	ug/l 99
15) Acrylonitrile	5.246	53	114318	286.372	ug/l 99
16) Acetone	4.022	43	132486	290.510	ug/l 98
17) Carbon Disulfide	4.275	76	212436	45.860	ug/l 99
18) Methyl Acetate	4.563	43	55148	56.333	ug/l 99
19) Methyl tert-butyl Ether	5.316	73	225991	58.882	ug/l 99
20) Methylene Chloride	4.799	84	105639	55.306	ug/l 98
21) trans-1,2-Dichloroethene	5.310	96	94975	53.224	ug/l 94
22) Diisopropyl ether	6.216	45	311791	58.245	ug/l # 97
23) Vinyl Acetate	6.152	43	912470	303.376	ug/l 99
24) 1,1-Dichloroethane	6.110	63	183080	51.911	ug/l 100
25) 2-Butanone	7.081	43	164080	295.468	ug/l 100
26) 2,2-Dichloropropane	7.075	77	159971	52.425	ug/l 99
27) cis-1,2-Dichloroethene	7.075	96	118117	53.229	ug/l 98
28) Bromochloromethane	7.422	49	75401	50.091	ug/l 95
29) Tetrahydrofuran	7.446	42	91654	308.606	ug/l 98
30) Chloroform	7.593	83	194515	52.067	ug/l 96
31) Cyclohexane	7.875	56	129536	48.453	ug/l 99
32) 1,1,1-Trichloroethane	7.793	97	159923	51.676	ug/l 98
36) 1,1-Dichloropropene	8.010	75	123241	51.097	ug/l 99
37) Ethyl Acetate	7.169	43	63887	54.714	ug/l # 96
38) Carbon Tetrachloride	7.993	117	134783	50.288	ug/l 99
39) Methylcyclohexane	9.275	83	140913	52.064	ug/l 96
40) Benzene	8.251	78	396761	52.019	ug/l 99

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Supervised By :Semsettin Yesilyurt 10/15/2024

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M

Quant Title : SW846 8260

QLast Update : Mon Oct 14 03:20:54 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	36392	59.346	ug/l #	92
42) 1,2-Dichloroethane	8.328	62	112867	53.809	ug/l	98
43) Isopropyl Acetate	8.357	43	121678	56.562	ug/l	99
44) Trichloroethene	9.028	130	95369	50.545	ug/l	95
45) 1,2-Dichloropropane	9.304	63	105622	54.610	ug/l	95
46) Dibromomethane	9.393	93	58821	55.119	ug/l	98
47) Bromodichloromethane	9.587	83	152630	53.928	ug/l	97
48) Methyl methacrylate	9.381	41	58381	60.249	ug/l	99
49) 1,4-Dioxane	9.387	88	14105	1202.870	ug/l	89
51) 4-Methyl-2-Pentanone	10.157	43	338090	307.195	ug/l	100
52) Toluene	10.334	92	250681	53.680	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	138410	55.847	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	159610	54.578	ug/l	100
55) 1,1,2-Trichloroethane	10.734	97	80697	53.834	ug/l	96
56) Ethyl methacrylate	10.598	69	105999	60.529	ug/l	99
57) 1,3-Dichloropropane	10.875	76	133585	55.219	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	201370	310.753	ug/l	99
59) 2-Hexanone	10.922	43	248872	305.318	ug/l	98
60) Dibromochloromethane	11.075	129	103464	53.123	ug/l	98
61) 1,2-Dibromoethane	11.181	107	73540	53.305	ug/l	97
64) Tetrachloroethene	10.810	164	83278	51.133	ug/l	96
65) Chlorobenzene	11.604	112	285949	53.211	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	101825	52.743	ug/l	97
67) Ethyl Benzene	11.681	91	493431	54.287	ug/l	97
68) m/p-Xylenes	11.792	106	382668	109.703	ug/l	100
69) o-Xylene	12.122	106	178913	55.436	ug/l	97
70) Styrene	12.134	104	325040	56.597	ug/l	99
71) Bromoform	12.298	173	62622	53.937	ug/l #	98
73) Isopropylbenzene	12.422	105	491255	56.109	ug/l	100
74) N-amyl acetate	12.234	43	122494	57.847	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	97289	54.805	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	64395m	45.352	ug/l	
77) Bromobenzene	12.698	156	119497	52.756	ug/l	98
78) n-propylbenzene	12.763	91	595742	54.731	ug/l	99
79) 2-Chlorotoluene	12.845	91	338855	53.583	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	399219	54.102	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	36703	57.687	ug/l	98
82) 4-Chlorotoluene	12.945	91	365152	53.747	ug/l	99
83) tert-Butylbenzene	13.169	119	356767	56.411	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	416219	56.170	ug/l	98
85) sec-Butylbenzene	13.345	105	531799	54.711	ug/l	99
86) p-Isopropyltoluene	13.457	119	452987	55.862	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	244566	52.774	ug/l	100
88) 1,4-Dichlorobenzene	13.539	146	243682	52.629	ug/l	98
89) n-Butylbenzene	13.786	91	437621	55.797	ug/l	100
90) Hexachloroethane	14.051	117	90615	50.554	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	214546	52.996	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	15254	51.463	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	140776	55.489	ug/l	100
94) Hexachlorobutadiene	15.204	225	75869	54.306	ug/l	98
95) Naphthalene	15.333	128	269941	59.661	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	128562	57.181	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

