

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050824\
 Data File : VD078885.D
 Acq On : 08 May 2024 12:50
 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: May 09 04:41:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 19:40:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	126652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	198369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	190163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	103750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	60148	42.786	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	85.580%	
35) Dibromofluoromethane	7.805	113	70671	48.521	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	97.040%	
50) Toluene-d8	10.269	98	266434	47.667	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	95.340%	
62) 4-Bromofluorobenzene	12.569	95	76514	47.830	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	95.660%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	58893	41.135	ug/l	99
3) Chloromethane	2.152	50	89808	42.206	ug/l	98
4) Vinyl Chloride	2.287	62	138816	44.940	ug/l	96
5) Bromomethane	2.693	94	122086	39.610	ug/l	99
6) Chloroethane	2.840	64	114817	45.122	ug/l	98
7) Trichlorofluoromethane	3.175	101	135637	53.955	ug/l	100
8) Diethyl Ether	3.593	74	37401	54.563	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.964	101	71099	47.075	ug/l	98
10) Methyl Iodide	4.164	142	76454	42.699	ug/l	98
11) Tert butyl alcohol	5.058	59	14378	223.282	ug/l #	87
12) 1,1-Dichloroethene	3.940	96	65984	44.063	ug/l	89
13) Acrolein	3.799	56	16323	131.245	ug/l	92
14) Allyl chloride	4.558	41	63844	42.472	ug/l	98
15) Acrylonitrile	5.258	53	62567	229.298	ug/l	98
16) Acetone	4.022	43	53682	256.077	ug/l	95
17) Carbon Disulfide	4.269	76	206926	41.786	ug/l	98
18) Methyl Acetate	4.558	43	21830	42.007	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	138579	48.898	ug/l	91
20) Methylene Chloride	4.805	84	80693	44.730	ug/l	99
21) trans-1,2-Dichloroethene	5.311	96	75284	44.834	ug/l	95
22) Diisopropyl ether	6.211	45	159185	47.891	ug/l	97
23) Vinyl Acetate	6.152	43	488088	243.568	ug/l	96
24) 1,1-Dichloroethane	6.111	63	117115	43.764	ug/l	97
25) 2-Butanone	7.087	43	71225	242.269	ug/l	99
26) 2,2-Dichloropropane	7.075	77	102442	45.368	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	88614	46.202	ug/l	97
28) Bromochloromethane	7.422	49	44879	44.575	ug/l	91
29) Tetrahydrofuran	7.446	42	41905	243.596	ug/l	92
30) Chloroform	7.593	83	134396	45.005	ug/l	95
31) Cyclohexane	7.875	56	90640	43.429	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	119332	47.379	ug/l	98
36) 1,1-Dichloropropene	8.010	75	94463	50.423	ug/l	98
37) Ethyl Acetate	7.169	43	32880	53.062	ug/l	98
38) Carbon Tetrachloride	7.987	117	109354	50.709	ug/l	93
39) Methylcyclohexane	9.275	83	118824	51.475	ug/l	96
40) Benzene	8.252	78	299598	48.833	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	17001	55.560	ug/l	93
42) 1,2-Dichloroethane	8.328	62	71201	49.158	ug/l	100
43) Isopropyl Acetate	8.357	43	57959	51.136	ug/l #	85
44) Trichloroethene	9.028	130	76831	49.715	ug/l	94
45) 1,2-Dichloropropane	9.304	63	66540	49.455	ug/l	95
46) Dibromomethane	9.393	93	43886	51.234	ug/l	94
47) Bromodichloromethane	9.587	83	103899	48.985	ug/l	93
48) Methyl methacrylate	9.375	41	26437	49.762	ug/l	94
49) 1,4-Dioxane	9.381	88	8591	1099.046	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	162354	267.491	ug/l	98
52) Toluene	10.334	92	195556	50.746	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	89758	50.469	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	104969	48.867	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	58360	52.527	ug/l #	92
56) Ethyl methacrylate	10.599	69	61763	54.103	ug/l	98
57) 1,3-Dichloropropane	10.875	76	89285	50.818	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	117140	234.995	ug/l	99
59) 2-Hexanone	10.922	43	119464	277.982	ug/l	97
60) Dibromochloromethane	11.075	129	77318	51.344	ug/l	99
61) 1,2-Dibromoethane	11.175	107	52672	51.119	ug/l	100
64) Tetrachloroethene	10.810	164	68126	52.523	ug/l	93
65) Chlorobenzene	11.604	112	219935	50.395	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	78451	51.405	ug/l	99
67) Ethyl Benzene	11.681	91	366455	51.335	ug/l	96
68) m/p-Xylenes	11.793	106	305917	105.841	ug/l	96
69) o-Xylene	12.122	106	138335	52.351	ug/l	100
70) Styrene	12.134	104	251719	54.176	ug/l	98
71) Bromoform	12.298	173	43832	53.046	ug/l #	95
73) Isopropylbenzene	12.422	105	353185	50.502	ug/l	99
74) N-amyl acetate	12.234	43	59417	51.076	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	62489	47.690	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	41007m	47.509	ug/l	
77) Bromobenzene	12.698	156	87482	48.688	ug/l	97
78) n-propylbenzene	12.763	91	431861	50.955	ug/l	98
79) 2-Chlorotoluene	12.845	91	229350	48.483	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	301713	51.954	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	21528	48.732	ug/l	98
82) 4-Chlorotoluene	12.945	91	247331	49.028	ug/l	98
83) tert-Butylbenzene	13.169	119	264254	52.865	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	308104	51.832	ug/l	96
85) sec-Butylbenzene	13.345	105	398935	52.556	ug/l	100
86) p-Isopropyltoluene	13.463	119	349501	53.130	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	190903	50.733	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	183432	49.245	ug/l	99
89) n-Butylbenzene	13.787	91	312043	53.209	ug/l	99
90) Hexachloroethane	14.051	117	69232	49.193	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	162361	50.416	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7920	44.397	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	96923	54.176	ug/l	95
94) Hexachlorobutadiene	15.204	225	51975	56.710	ug/l	97
95) Naphthalene	15.334	128	173598	53.859	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	85676	54.056	ug/l	97

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

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