

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074900.D
 Acq On : 11 Nov 2022 19:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/14/2022
 Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 00:57:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	137179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	224332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	210091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	105162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50024	55.537	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.080%
35) Dibromofluoromethane	7.804	113	59836	43.270	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.540%
50) Toluene-d8	10.269	98	221976	48.730	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.460%
62) 4-Bromofluorobenzene	12.575	95	71604	51.192	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.380%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	49100	53.729	ug/l	94
3) Chloromethane	2.146	50	80016	56.109	ug/l	95
4) Vinyl Chloride	2.281	62	101551	52.795	ug/l	99
5) Bromomethane	2.687	94	81957	56.874	ug/l	98
6) Chloroethane	2.834	64	74764	52.930	ug/l	97
7) Trichlorofluoromethane	3.175	101	118341	53.997	ug/l	98
8) Diethyl Ether	3.593	74	36071	57.404	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.963	101	78414	56.067	ug/l	97
10) Methyl Iodide	4.163	142	85463	51.252	ug/l	96
11) Tert butyl alcohol	5.052	59	20460	313.571	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	75013	55.063	ug/l	94
13) Acrolein	3.799	56	9330	243.532	ug/l	98
14) Allyl chloride	4.558	41	78685	53.998	ug/l	99
15) Acrylonitrile	5.252	53	73764	300.394	ug/l	98
16) Acetone	4.022	43	60163	265.668	ug/l	96
17) Carbon Disulfide	4.269	76	206658	53.325	ug/l	99
18) Methyl Acetate	4.563	43	32931	55.959	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	162677	59.645	ug/l	96
20) Methylene Chloride	4.799	84	110003	59.817	ug/l	95
21) trans-1,2-Dichloroethene	5.310	96	85319	55.228	ug/l	93
22) Diisopropyl ether	6.216	45	190674	58.708	ug/l	93
23) Vinyl Acetate	6.157	43	399992m	286.942	ug/l	
24) 1,1-Dichloroethane	6.110	63	134352	55.392	ug/l	98
25) 2-Butanone	7.081	43	81414	274.922	ug/l	97
26) 2,2-Dichloropropane	7.075	77	118853	52.143	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	95084	55.479	ug/l	99
28) Bromochloromethane	7.422	49	43589	55.705	ug/l	99
29) Tetrahydrofuran	7.446	42	50102	305.653	ug/l	96
30) Chloroform	7.599	83	137988	51.948	ug/l	99
31) Cyclohexane	7.875	56	95811	47.907	ug/l	100
32) 1,1,1-Trichloroethane	7.793	97	113558	49.605	ug/l	97
36) 1,1-Dichloropropene	8.010	75	97746	48.095	ug/l	98
37) Ethyl Acetate	7.169	43	36751	53.890	ug/l	96
38) Carbon Tetrachloride	7.993	117	91146	47.645	ug/l	93
39) Methylcyclohexane	9.275	83	116658	53.581	ug/l	96
40) Benzene	8.251	78	292216	50.003	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	21942	60.664	ug/l	92
42) 1,2-Dichloroethane	8.328	62	70466	50.385	ug/l	100
43) Isopropyl Acetate	8.363	43	62167	51.757	ug/l	98
44) Trichloroethene	9.028	130	80489	52.133	ug/l	93
45) 1,2-Dichloropropane	9.304	63	69696	53.078	ug/l	91
46) Dibromomethane	9.393	93	39945	54.320	ug/l	93
47) Bromodichloromethane	9.587	83	99020	54.257	ug/l	96
48) Methyl methacrylate	9.381	41	29480	55.406	ug/l	97
49) 1,4-Dioxane	9.387	88	8248	1143.037	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	167103	291.827	ug/l	98
52) Toluene	10.334	92	193452	55.365	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	90378	56.058	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	109576	55.421	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	58268	56.985	ug/l	98
56) Ethyl methacrylate	10.598	69	64955	52.420	ug/l	97
57) 1,3-Dichloropropane	10.881	76	91427	55.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	102630	238.346	ug/l	97
59) 2-Hexanone	10.922	43	115261	288.747	ug/l	100
60) Dibromochloromethane	11.075	129	68823	56.738	ug/l	100
61) 1,2-Dibromoethane	11.181	107	52648	55.055	ug/l	97
64) Tetrachloroethene	10.810	164	69312	49.206	ug/l	93
65) Chlorobenzene	11.610	112	205839	50.084	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	72230	50.160	ug/l	96
67) Ethyl Benzene	11.687	91	369796	51.645	ug/l	98
68) m/p-Xylenes	11.792	106	296626	103.902	ug/l	98
69) o-Xylene	12.122	106	137568	52.376	ug/l	97
70) Styrene	12.134	104	240160	53.341	ug/l	99
71) Bromoform	12.298	173	38949	52.262	ug/l #	94
73) Isopropylbenzene	12.422	105	366612	50.649	ug/l	100
74) N-amyl acetate	12.234	43	60145	50.504	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	64779	50.595	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	43168m	49.078	ug/l	
77) Bromobenzene	12.704	156	83715	49.422	ug/l	95
78) n-propylbenzene	12.763	91	443095	49.801	ug/l	100
79) 2-Chlorotoluene	12.851	91	233907	48.791	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	305107	50.589	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	17165	48.008	ug/l	98
82) 4-Chlorotoluene	12.951	91	247204	49.516	ug/l	99
83) tert-Butylbenzene	13.169	119	261777	50.023	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	302479	50.709	ug/l	100
85) sec-Butylbenzene	13.345	105	398453	50.056	ug/l	100
86) p-Isopropyltoluene	13.463	119	340855	51.496	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	174400	49.495	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	171245	48.968	ug/l	99
89) n-Butylbenzene	13.786	91	313107	50.951	ug/l	99
90) Hexachloroethane	14.057	117	57596	48.584	ug/l	95
91) 1,2-Dichlorobenzene	13.833	146	151331	50.505	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	8367	47.399	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	88856	48.718	ug/l	96
94) Hexachlorobutadiene	15.204	225	47304	50.280	ug/l	99
95) Naphthalene	15.333	128	173529	51.260	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	78409	49.712	ug/l	97

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

