

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074663.D
 Acq On : 28 Oct 2022 10:47
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/31/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 29 02:13:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	149388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	247429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	218580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	99776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	60919	48.315	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.640%		
35) Dibromofluoromethane	7.804	113	74710	49.449	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.269	98	306772	52.798	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.600%		
62) 4-Bromofluorobenzene	12.575	95	85646	53.672	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	59051	45.839	ug/l	94
3) Chloromethane	2.146	50	75229	41.757	ug/l	92
4) Vinyl Chloride	2.281	62	98288	46.052	ug/l	98
5) Bromomethane	2.693	94	82841	51.673	ug/l	100
6) Chloroethane	2.834	64	65239	44.898	ug/l	96
7) Trichlorofluoromethane	3.175	101	119550	48.234	ug/l	98
8) Diethyl Ether	3.593	74	32365	44.176	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.963	101	75299	49.025	ug/l	98
10) Methyl Iodide	4.163	142	98031	47.654	ug/l	99
11) Tert butyl alcohol	5.046	59	19718	164.452	ug/l #	94
12) 1,1-Dichloroethene	3.940	96	76783	47.192	ug/l	93
13) Acrolein	3.793	56	26935	248.385	ug/l	97
14) Allyl chloride	4.557	41	84271	49.861	ug/l	98
15) Acrylonitrile	5.257	53	60703	220.294	ug/l	99
16) Acetone	4.022	43	58733	269.539	ug/l	100
17) Carbon Disulfide	4.269	76	226938	45.944	ug/l	100
18) Methyl Acetate	4.563	43	27372	41.872	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	141092	45.196	ug/l	98
20) Methylene Chloride	4.798	84	86793	40.483	ug/l	91
21) trans-1,2-Dichloroethene	5.316	96	84580	46.782	ug/l	89
22) Diisopropyl ether	6.210	45	171506	48.210	ug/l	93
23) Vinyl Acetate	6.151	43	410967	297.193	ug/l	96
24) 1,1-Dichloroethane	6.110	63	125178	46.737	ug/l	99
25) 2-Butanone	7.075	43	70955	234.210	ug/l	97
26) 2,2-Dichloropropane	7.075	77	115738	49.441	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	92432	47.012	ug/l	98
28) Bromochloromethane	7.428	49	45900	49.944	ug/l	100
29) Tetrahydrofuran	7.440	42	40121	215.671	ug/l	99
30) Chloroform	7.592	83	133205	46.229	ug/l	97
31) Cyclohexane	7.875	56	110226	47.698	ug/l	100
32) 1,1,1-Trichloroethane	7.792	97	123597	48.852	ug/l	97
36) 1,1-Dichloropropene	8.010	75	105694	49.098	ug/l	99
37) Ethyl Acetate	7.163	43	31239	45.408	ug/l #	94
38) Carbon Tetrachloride	7.992	117	103312	51.646	ug/l	96
39) Methylcyclohexane	9.275	83	135576	51.491	ug/l	96
40) Benzene	8.251	78	311003	47.368	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	18107	51.027	ug/l	94
42) 1,2-Dichloroethane	8.322	62	68995	44.627	ug/l	99
43) Isopropyl Acetate	8.357	43	57467	43.386	ug/l	100
44) Trichloroethene	9.028	130	91024	47.269	ug/l	98
45) 1,2-Dichloropropane	9.304	63	69721	47.619	ug/l	98
46) Dibromomethane	9.392	93	38559	45.105	ug/l	96
47) Bromodichloromethane	9.581	83	96197	46.707	ug/l	96
48) Methyl methacrylate	9.381	41	27121	46.176	ug/l	97
49) 1,4-Dioxane	9.381	88	7342	805.940	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	145519	227.384	ug/l	99
52) Toluene	10.333	92	204624	49.778	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	89446	50.665	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	110701	49.200	ug/l	98
55) 1,1,2-Trichloroethane	10.733	97	53070	45.520	ug/l	97
56) Ethyl methacrylate	10.598	69	60512	47.172	ug/l	97
57) 1,3-Dichloropropane	10.881	76	88018	47.944	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	95327	283.634	ug/l	100
59) 2-Hexanone	10.922	43	103185	238.103	ug/l	99
60) Dibromochloromethane	11.075	129	66500	47.934	ug/l	99
61) 1,2-Dibromoethane	11.181	107	50356	46.240	ug/l	96
64) Tetrachloroethene	10.810	164	74529	48.187	ug/l	95
65) Chlorobenzene	11.604	112	215163	48.569	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.680	131	73951	49.484	ug/l	99
67) Ethyl Benzene	11.680	91	387362	50.611	ug/l	98
68) m/p-Xylenes	11.792	106	307652	101.822	ug/l	98
69) o-Xylene	12.122	106	140686	50.554	ug/l	96
70) Styrene	12.133	104	240489	51.327	ug/l	99
71) Bromoform	12.298	173	36543	48.431	ug/l #	95
73) Isopropylbenzene	12.422	105	373397	52.482	ug/l	100
74) N-amyl acetate	12.233	43	52174	46.550	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	53064	44.841	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	33949m	43.505	ug/l	
77) Bromobenzene	12.698	156	83068	48.863	ug/l	98
78) n-propylbenzene	12.763	91	448213	52.500	ug/l	99
79) 2-Chlorotoluene	12.851	91	235864	50.606	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	305189	51.639	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	15981	54.200	ug/l	99
82) 4-Chlorotoluene	12.945	91	242778	50.454	ug/l	98
83) tert-Butylbenzene	13.163	119	268056	51.111	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	297997	51.101	ug/l	96
85) sec-Butylbenzene	13.345	105	402710	52.319	ug/l	99
86) p-Isopropyltoluene	13.457	119	339099	51.533	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	170690	48.525	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	164835	47.546	ug/l	99
89) n-Butylbenzene	13.786	91	309919	52.001	ug/l	100
90) Hexachloroethane	14.051	117	58833	52.415	ug/l	98
91) 1,2-Dichlorobenzene	13.827	146	144893	48.573	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7384	46.906	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	92386	48.256	ug/l	98
94) Hexachlorobutadiene	15.198	225	49865	51.043	ug/l	98
95) Naphthalene	15.327	128	164088	46.673	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	79891	48.474	ug/l	99

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

