

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074572.D
 Acq On : 19 Oct 2022 10:29
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 06:17:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:16:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	97947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	167453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	146940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	70142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	4608	6.162	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.320%#		
35) Dibromofluoromethane	7.810	113	5841	5.695	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.400%#		
50) Toluene-d8	10.269	98	21042	6.278	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	12.560%#		
62) 4-Bromofluorobenzene	12.575	95	6037	5.445	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.900%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	4469	5.878	ug/l	99
3) Chloromethane	2.146	50	6130	5.956	ug/l #	82
4) Vinyl Chloride	2.287	62	6116	5.374	ug/l	97
5) Bromomethane	2.693	94	5161	5.988	ug/l	96
6) Chloroethane	2.834	64	3887	4.967	ug/l #	87
7) Trichlorofluoromethane	3.181	101	8588	5.323	ug/l	86
8) Diethyl Ether	3.593	74	2142	4.585	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.975	101	5214	5.406	ug/l	96
10) Methyl Iodide	4.164	142	4745	4.003	ug/l	99
11) Tert butyl alcohol	5.022	59	7229	57.422	ug/l #	84
12) 1,1-Dichloroethene	3.946	96	5328	5.120	ug/l	86
13) Acrolein	3.793	56	2041	25.483	ug/l	88
14) Allyl chloride	4.563	41	5631	5.011	ug/l	94
15) Acrylonitrile	5.252	53	4630	24.248	ug/l #	91
16) Acetone	4.016	43	4681	28.666	ug/l	98
17) Carbon Disulfide	4.275	76	16616	5.835	ug/l	99
18) Methyl Acetate	4.563	43	3397	6.879	ug/l #	88
19) Methyl tert-butyl Ether	5.322	73	9878	4.858	ug/l	97
20) Methylene Chloride	4.805	84	15456	8.946	ug/l #	90
21) trans-1,2-Dichloroethene	5.311	96	6730	5.802	ug/l	97
22) Diisopropyl ether	6.216	45	10721	4.728	ug/l #	93
23) Vinyl Acetate	6.158	43	22262m	24.385	ug/l	
24) 1,1-Dichloroethane	6.116	63	9390	5.335	ug/l #	78
25) 2-Butanone	7.081	43	6451	29.543	ug/l	96
26) 2,2-Dichloropropane	7.081	77	9765	5.805	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	6745	5.243	ug/l	92
28) Bromochloromethane	7.428	49	2389	5.578	ug/l #	99
29) Tetrahydrofuran	7.446	42	2995	25.147	ug/l #	77
30) Chloroform	7.599	83	10105	5.336	ug/l	96
31) Cyclohexane	7.881	56	8891	5.919	ug/l #	69
32) 1,1,1-Trichloroethane	7.793	97	9187	5.290	ug/l	94
36) 1,1-Dichloropropene	8.010	75	7481	4.973	ug/l	96
37) Ethyl Acetate	7.163	43	2293	4.831	ug/l #	69
38) Carbon Tetrachloride	7.987	117	6922	4.699	ug/l #	95
39) Methylcyclohexane	9.275	83	8602	4.786	ug/l	95
40) Benzene	8.252	78	21874	4.900	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	1040	3.521	ug/l #	77
42) 1,2-Dichloroethane	8.322	62	5310	5.154	ug/l	88
43) Isopropyl Acetate	8.357	43	4520	5.124	ug/l #	83
44) Trichloroethene	9.034	130	6892	5.270	ug/l	94
45) 1,2-Dichloropropane	9.304	63	5188	5.295	ug/l	95
46) Dibromomethane	9.393	93	3038	5.373	ug/l	94
47) Bromodichloromethane	9.587	83	6957	4.973	ug/l #	95
48) Methyl methacrylate	9.375	41	2019	5.009	ug/l	90
49) 1,4-Dioxane	9.387	88	494	88.778	ug/l #	55
51) 4-Methyl-2-Pentanone	10.157	43	10978	25.022	ug/l	93
52) Toluene	10.334	92	13499	4.903	ug/l	94
53) t-1,3-Dichloropropene	10.557	75	6245	5.078	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	7835	5.052	ug/l #	91
55) 1,1,2-Trichloroethane	10.740	97	4158	5.353	ug/l	94
56) Ethyl methacrylate	10.593	69	3813	4.491	ug/l	95
57) 1,3-Dichloropropane	10.881	76	6703	5.319	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	5216	27.713	ug/l	95
59) 2-Hexanone	10.922	43	7490	25.012	ug/l	96
60) Dibromochloromethane	11.075	129	5088	5.434	ug/l	92
61) 1,2-Dibromoethane	11.175	107	3862	5.446	ug/l	96
64) Tetrachloroethene	10.804	164	6037	5.558	ug/l	94
65) Chlorobenzene	11.604	112	15578	5.033	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.687	131	5287	4.972	ug/l	99
67) Ethyl Benzene	11.681	91	25910	4.807	ug/l	95
68) m/p-Xylenes	11.793	106	21011	9.805	ug/l	91
69) o-Xylene	12.122	106	9695	4.861	ug/l	95
70) Styrene	12.134	104	15537	4.626	ug/l	98
71) Bromoform	12.304	173	2907	5.207	ug/l #	96
73) Isopropylbenzene	12.422	105	24790	4.532	ug/l	100
74) N-amyl acetate	12.234	43	3584	4.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	4223	4.877	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	2979m	5.161	ug/l	
77) Bromobenzene	12.698	156	5910	4.787	ug/l	98
78) n-propylbenzene	12.763	91	29779	4.606	ug/l	99
79) 2-Chlorotoluene	12.851	91	16947	4.839	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	20577	4.634	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.475	75	1042	4.348	ug/l	93
82) 4-Chlorotoluene	12.945	91	17426	4.843	ug/l	100
83) tert-Butylbenzene	13.169	119	18194	4.593	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	19749	4.519	ug/l	94
85) sec-Butylbenzene	13.345	105	27873	4.689	ug/l	100
86) p-Isopropyltoluene	13.463	119	21805	4.378	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	11983	4.671	ug/l	92
88) 1,4-Dichlorobenzene	13.539	146	12844	5.114	ug/l	92
89) n-Butylbenzene	13.787	91	20962	4.620	ug/l	98
90) Hexachloroethane	14.051	117	4092	4.721	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	10288	4.807	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	560	4.676	ug/l	82
93) 1,2,4-Trichlorobenzene	15.104	180	6745	4.778	ug/l	99
94) Hexachlorobutadiene	15.198	225	3687	4.747	ug/l	97
95) Naphthalene	15.328	128	12329	4.639	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	5626	4.649	ug/l	93

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

