

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102022\
 Data File : VD074592.D
 Acq On : 20 Oct 2022 12:44
 Operator : VA/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/21/2022
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 20 14:55:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	92307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	151834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	124812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	59348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	32004	45.412	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.820%		
35) Dibromofluoromethane	7.810	113	40683	48.325	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.660%		
50) Toluene-d8	10.269	98	140019	46.074	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.140%		
62) 4-Bromofluorobenzene	12.569	95	43064	49.227	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	13948	19.467	ug/l	94
3) Chloromethane	2.146	50	21255	21.914	ug/l	94
4) Vinyl Chloride	2.281	62	22673	21.139	ug/l	99
5) Bromomethane	2.681	94	16666	20.518	ug/l	97
6) Chloroethane	2.834	64	15882	21.537	ug/l	95
7) Trichlorofluoromethane	3.175	101	31754	20.886	ug/l	99
8) Diethyl Ether	3.593	74	8642	19.628	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.969	101	19697	20.090	ug/l	98
10) Methyl Iodide	4.164	142	21480	19.441	ug/l	98
11) Tert butyl alcohol	5.046	59	9015	64.091	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	19968	20.362	ug/l	89
13) Acrolein	3.799	56	7276	96.397	ug/l	95
14) Allyl chloride	4.564	41	20983	19.814	ug/l	99
15) Acrylonitrile	5.258	53	18850	104.753	ug/l	96
16) Acetone	4.028	43	13738	89.269	ug/l	94
17) Carbon Disulfide	4.269	76	51803	19.305	ug/l	98
18) Methyl Acetate	4.558	43	9138	20.254	ug/l	94
19) Methyl tert-butyl Ether	5.316	73	39141	20.425	ug/l #	91
20) Methylene Chloride	4.805	84	26028	14.934	ug/l	91
21) trans-1,2-Dichloroethene	5.316	96	21751	19.897	ug/l	90
22) Diisopropyl ether	6.216	45	45298	21.197	ug/l	95
23) Vinyl Acetate	6.158	43	66510	71.172	ug/l	99
24) 1,1-Dichloroethane	6.111	63	34050	20.529	ug/l	97
25) 2-Butanone	7.087	43	19808	96.254	ug/l	96
26) 2,2-Dichloropropane	7.075	77	30559	19.277	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	24590	20.280	ug/l	98
28) Bromochloromethane	7.434	49	4876	13.477	ug/l #	87
29) Tetrahydrofuran	7.446	42	11499	102.449	ug/l	96
30) Chloroform	7.599	83	37038	20.753	ug/l	100
31) Cyclohexane	7.875	56	29115	20.566	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	34365	20.997	ug/l	98
36) 1,1-Dichloropropene	8.005	75	27705	20.312	ug/l	98
37) Ethyl Acetate	7.163	43	8687	20.186	ug/l	96
38) Carbon Tetrachloride	7.987	117	26603	19.918	ug/l	97
39) Methylcyclohexane	9.275	83	33960	20.838	ug/l	95
40) Benzene	8.252	78	83453	20.615	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	5296	22.841	ug/l #	92
42) 1,2-Dichloroethane	8.322	62	19669	21.055	ug/l	98
43) Isopropyl Acetate	8.357	43	16408	20.516	ug/l	97
44) Trichloroethene	9.028	130	24907	21.003	ug/l	95
45) 1,2-Dichloropropane	9.304	63	18540	20.869	ug/l	97
46) Dibromomethane	9.393	93	11084	21.621	ug/l	94
47) Bromodichloromethane	9.587	83	27225	21.465	ug/l	94
48) Methyl methacrylate	9.381	41	7749	21.200	ug/l	99
49) 1,4-Dioxane	9.387	88	2308	457.447	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	42696	107.328	ug/l	95
52) Toluene	10.334	92	50497	20.227	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	20712	18.573	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	28490	20.262	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	14218	20.186	ug/l	97
56) Ethyl methacrylate	10.599	69	15088	19.597	ug/l	97
57) 1,3-Dichloropropane	10.881	76	22161	19.395	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	8894	75.191	ug/l	98
59) 2-Hexanone	10.922	43	25389	93.506	ug/l	96
60) Dibromochloromethane	11.075	129	16471	19.401	ug/l	99
61) 1,2-Dibromoethane	11.181	107	12869	20.016	ug/l	99
64) Tetrachloroethene	10.810	164	19176	20.785	ug/l	88
65) Chlorobenzene	11.604	112	53781	20.457	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	18937	20.966	ug/l	98
67) Ethyl Benzene	11.687	91	94975	20.746	ug/l	99
68) m/p-Xylenes	11.793	106	76038	41.773	ug/l	97
69) o-Xylene	12.122	106	35818	21.143	ug/l	95
70) Styrene	12.134	104	61360	21.507	ug/l	98
71) Bromoform	12.298	173	9903	20.883	ug/l #	94
73) Isopropylbenzene	12.422	105	95195	20.567	ug/l	99
74) N-amyl acetate	12.234	43	13802	20.175	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	15839	21.617	ug/l	93
76) 1,2,3-Trichloropropane	12.722	75	9722m	18.761	ug/l	
77) Bromobenzene	12.698	156	22113	21.168	ug/l	96
78) n-propylbenzene	12.763	91	115021	21.028	ug/l	100
79) 2-Chlorotoluene	12.851	91	62006	20.924	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	79409	21.135	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	3665	18.074	ug/l	95
82) 4-Chlorotoluene	12.945	91	62972	20.684	ug/l	100
83) tert-Butylbenzene	13.163	119	70445	21.018	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	79436	21.485	ug/l	96
85) sec-Butylbenzene	13.345	105	103851	20.647	ug/l	97
86) p-Isopropyltoluene	13.457	119	87759	20.827	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	45360	20.896	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	44650	21.011	ug/l	98
89) n-Butylbenzene	13.787	91	80373	20.936	ug/l	97
90) Hexachloroethane	14.051	117	15552	21.205	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	39007	21.541	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1914	18.888	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	23949	20.049	ug/l	94
94) Hexachlorobutadiene	15.198	225	13309	20.252	ug/l	99
95) Naphthalene	15.328	128	44495	19.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	21745	21.236	ug/l	99

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

