

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110422\
 Data File : VD074731.D
 Acq On : 04 Nov 2022 12:04
 Operator : VA/SY
 Sample : VD1104SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/07/2022
 Supervised By :Mahesh Dadoda 11/07/2022

Quant Time: Nov 07 00:25:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	147642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	245089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	194632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	58003	49.603	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.200%		
35) Dibromofluoromethane	7.804	113	71547	49.350	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.700%		
50) Toluene-d8	10.269	98	245867	46.491	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.980%		
62) 4-Bromofluorobenzene	12.575	95	73587	48.192	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	25689	21.185	ug/l	97
3) Chloromethane	2.146	50	36753	18.993	ug/l	96
4) Vinyl Chloride	2.281	62	42714	20.129	ug/l	99
5) Bromomethane	2.681	94	34029	21.164	ug/l	92
6) Chloroethane	2.828	64	30284	20.590	ug/l	98
7) Trichlorofluoromethane	3.169	101	50873	20.636	ug/l	100
8) Diethyl Ether	3.593	74	14168	19.672	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	32881	20.996	ug/l	98
10) Methyl Iodide	4.158	142	32141	19.622	ug/l	100
11) Tert butyl alcohol	5.052	59	13986m	47.201	ug/l	
12) 1,1-Dichloroethene	3.946	96	32047	20.148	ug/l	83
13) Acrolein	3.793	56	8442	104.896	ug/l	95
14) Allyl chloride	4.563	41	33634	19.986	ug/l	99
15) Acrylonitrile	5.258	53	27213	95.621	ug/l	100
16) Acetone	4.022	43	21596	88.500	ug/l	95
17) Carbon Disulfide	4.269	76	93096	19.410	ug/l	99
18) Methyl Acetate	4.563	43	14339	19.432	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	58722	19.412	ug/l	94
20) Methylene Chloride	4.799	84	55234	19.854	ug/l	86
21) trans-1,2-Dichloroethene	5.310	96	35166	20.116	ug/l	93
22) Diisopropyl ether	6.216	45	74352	21.406	ug/l	93
23) Vinyl Acetate	6.157	43	154479m	104.604	ug/l	
24) 1,1-Dichloroethane	6.116	63	54782	20.620	ug/l	94
25) 2-Butanone	7.081	43	30460	90.784	ug/l	95
26) 2,2-Dichloropropane	7.075	77	49655	20.312	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	38041	19.727	ug/l	98
28) Bromochloromethane	7.434	49	17016	20.296	ug/l #	98
29) Tetrahydrofuran	7.446	42	17992	93.502	ug/l	95
30) Chloroform	7.599	83	58038	20.449	ug/l	100
31) Cyclohexane	7.881	56	47080	19.886	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	53469	21.326	ug/l	96
36) 1,1-Dichloropropene	8.004	75	44333	20.146	ug/l	98
37) Ethyl Acetate	7.169	43	14154	19.281	ug/l #	95
38) Carbon Tetrachloride	7.993	117	41023	19.676	ug/l	86
39) Methylcyclohexane	9.275	83	52700	19.683	ug/l	92
40) Benzene	8.251	78	132729	20.406	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	7563m	20.170	ug/l	
42) 1,2-Dichloroethane	8.328	62	30888	20.656	ug/l	99
43) Isopropyl Acetate	8.357	43	25578	18.725	ug/l #	86
44) Trichloroethene	9.028	130	38070	20.543	ug/l	100
45) 1,2-Dichloropropane	9.304	63	29801	20.716	ug/l	91
46) Dibromomethane	9.398	93	16937	20.317	ug/l	96
47) Bromodichloromethane	9.587	83	41626	20.740	ug/l	93
48) Methyl methacrylate	9.381	41	12158	19.974	ug/l	95
49) 1,4-Dioxane	9.381	88	3512	417.738	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	58939	88.978	ug/l	97
52) Toluene	10.334	92	76994	19.333	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	33437	18.837	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	41434	18.601	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	21405	18.900	ug/l	93
56) Ethyl methacrylate	10.598	69	21793	17.211	ug/l	94
57) 1,3-Dichloropropane	10.881	76	34675	19.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	35192	124.427	ug/l	98
59) 2-Hexanone	10.922	43	40192	88.206	ug/l	99
60) Dibromochloromethane	11.075	129	25138	18.593	ug/l	100
61) 1,2-Dibromoethane	11.181	107	19701	18.459	ug/l	96
64) Tetrachloroethene	10.810	164	28649	20.837	ug/l	94
65) Chlorobenzene	11.610	112	79972	20.748	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	27059	20.691	ug/l	96
67) Ethyl Benzene	11.681	91	142088	20.802	ug/l	95
68) m/p-Xylenes	11.792	106	115510	42.596	ug/l	98
69) o-Xylene	12.122	106	52479	21.051	ug/l	95
70) Styrene	12.134	104	89370	21.159	ug/l	99
71) Bromoform	12.298	173	14299	20.417	ug/l #	96
73) Isopropylbenzene	12.422	105	137851	20.718	ug/l	100
74) N-amyl acetate	12.234	43	21577	19.965	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	23354	20.888	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	14639m	20.736	ug/l	
77) Bromobenzene	12.698	156	30887	20.161	ug/l	96
78) n-propylbenzene	12.763	91	172180	21.601	ug/l	98
79) 2-Chlorotoluene	12.845	91	91860	21.403	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	112589	20.740	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	5866	19.723	ug/l	97
82) 4-Chlorotoluene	12.945	91	94728	21.220	ug/l	99
83) tert-Butylbenzene	13.169	119	98450	20.579	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	115106	21.489	ug/l	99
85) sec-Butylbenzene	13.345	105	151372	20.973	ug/l	100
86) p-Isopropyltoluene	13.457	119	125712	20.682	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	65239	20.537	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	63995	20.492	ug/l	99
89) n-Butylbenzene	13.786	91	115862	20.842	ug/l	98
90) Hexachloroethane	14.051	117	22048	21.157	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	56044	20.713	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3109	20.117	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	32635	19.535	ug/l	97
94) Hexachlorobutadiene	15.204	225	17681	20.231	ug/l	99
95) Naphthalene	15.328	128	61042	19.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	28960	19.700	ug/l	100

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

