

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074904.D
 Acq On : 11 Nov 2022 23:31
 Operator : VA/SY
 Sample : VD1111SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS02

Manual Integrations
 APPROVED

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

Quant Time: Nov 14 00:58:03 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	150167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	214357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	199436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	96205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	53699	54.330	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.660%			
35) Dibromofluoromethane	7.805	113	68612	51.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.860%			
50) Toluene-d8	10.269	98	209364	48.101	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.200%			
62) 4-Bromofluorobenzene	12.575	95	67657	50.621	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	22127	20.574	ug/l	93
3) Chloromethane	2.146	50	33731	19.121	ug/l	92
4) Vinyl Chloride	2.275	62	40448	19.210	ug/l	98
5) Bromomethane	2.675	94	38235	23.660	ug/l	99
6) Chloroethane	2.828	64	29987	19.393	ug/l	99
7) Trichlorofluoromethane	3.164	101	47687	19.877	ug/l	96
8) Diethyl Ether	3.587	74	13432	19.527	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	29359	19.177	ug/l	96
10) Methyl Iodide	4.164	142	27406	18.386	ug/l	98
11) Tert butyl alcohol	5.040	59	11131	146.717	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	28066	18.820	ug/l	92
13) Acrolein	3.793	56	5687	121.067	ug/l	93
14) Allyl chloride	4.558	41	30373	19.041	ug/l	98
15) Acrylonitrile	5.258	53	28078	104.454	ug/l	99
16) Acetone	4.022	43	19835	80.012	ug/l	98
17) Carbon Disulfide	4.269	76	78598	18.527	ug/l	99
18) Methyl Acetate	4.564	43	15423	22.698	ug/l	98
19) Methyl tert-butyl Ether	5.322	73	57917	19.398	ug/l	98
20) Methylene Chloride	4.799	84	58254	19.627	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	33158	19.607	ug/l	93
22) Diisopropyl ether	6.216	45	69005	19.409	ug/l	96
23) Vinyl Acetate	6.152	43	133016m	87.168	ug/l	
24) 1,1-Dichloroethane	6.110	63	52359	19.720	ug/l	96
25) 2-Butanone	7.081	43	30590	94.363	ug/l	97
26) 2,2-Dichloropropane	7.075	77	44646	17.893	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	36845	19.639	ug/l	98
28) Bromochloromethane	7.422	49	16641	19.427	ug/l	99
29) Tetrahydrofuran	7.434	42	18736	104.415	ug/l	96
30) Chloroform	7.599	83	58196	20.014	ug/l	99
31) Cyclohexane	7.881	56	39748	18.156	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	50467	20.139	ug/l	96
36) 1,1-Dichloropropene	8.005	75	42424	21.846	ug/l	99
37) Ethyl Acetate	7.169	43	13562	20.812	ug/l	96
38) Carbon Tetrachloride	7.993	117	39845	21.797	ug/l	96
39) Methylcyclohexane	9.275	83	41271	19.838	ug/l	96
40) Benzene	8.252	78	124498	22.295	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	6407	18.538	ug/l	87
42) 1,2-Dichloroethane	8.328	62	30953	23.162	ug/l	99
43) Isopropyl Acetate	8.363	43	26135	22.771	ug/l	100
44) Trichloroethene	9.028	130	31639	21.446	ug/l	98
45) 1,2-Dichloropropane	9.299	63	25973	20.701	ug/l	96
46) Dibromomethane	9.393	93	15715	22.365	ug/l	91
47) Bromodichloromethane	9.587	83	37493	21.500	ug/l	94
48) Methyl methacrylate	9.381	41	10749	21.142	ug/l	97
49) 1,4-Dioxane	9.381	88	3274	474.836	ug/l #	93
51) 4-Methyl-2-Pentanone	10.157	43	61074	111.622	ug/l	98
52) Toluene	10.334	92	73086	21.890	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	32295	20.964	ug/l	99
54) cis-1,3-Dichloropropene	10.022	75	39301	20.803	ug/l	100
55) 1,1,2-Trichloroethane	10.734	97	21861	22.375	ug/l	96
56) Ethyl methacrylate	10.598	69	22692	20.919	ug/l	99
57) 1,3-Dichloropropane	10.881	76	34154	21.743	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	32240	91.993	ug/l	99
59) 2-Hexanone	10.922	43	40310	105.682	ug/l	99
60) Dibromochloromethane	11.075	129	26548	22.905	ug/l	98
61) 1,2-Dibromoethane	11.181	107	20340	22.260	ug/l	97
64) Tetrachloroethene	10.810	164	26426	19.763	ug/l	94
65) Chlorobenzene	11.610	112	79354	20.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	27477	20.101	ug/l	95
67) Ethyl Benzene	11.687	91	131179	19.299	ug/l	98
68) m/p-Xylenes	11.793	106	108833	40.159	ug/l	96
69) o-Xylene	12.122	106	49087	19.687	ug/l	97
70) Styrene	12.134	104	85143	19.921	ug/l	99
71) Bromoform	12.298	173	14781	20.893	ug/l #	98
73) Isopropylbenzene	12.422	105	129364	19.536	ug/l	99
74) N-amyl acetate	12.234	43	21882	20.085	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	25252	21.559	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	16693m	20.745	ug/l	
77) Bromobenzene	12.698	156	31887	20.578	ug/l	96
78) n-propylbenzene	12.763	91	159753	19.627	ug/l	99
79) 2-Chlorotoluene	12.851	91	88063	20.079	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	109987	19.934	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	6071	18.560	ug/l	96
82) 4-Chlorotoluene	12.945	91	91142	19.956	ug/l	98
83) tert-Butylbenzene	13.169	119	91696	19.153	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	106549	19.526	ug/l	97
85) sec-Butylbenzene	13.345	105	142508	19.569	ug/l	100
86) p-Isopropyltoluene	13.463	119	116532	19.245	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	64525	20.017	ug/l	100
88) 1,4-Dichlorobenzene	13.540	146	64753	20.240	ug/l	98
89) n-Butylbenzene	13.787	91	106362	18.919	ug/l	99
90) Hexachloroethane	14.057	117	21813	20.113	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	56305	20.541	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3298	20.422	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	32018	19.189	ug/l	100
94) Hexachlorobutadiene	15.210	225	17116	19.887	ug/l	95
95) Naphthalene	15.334	128	61570	19.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	27749	19.231	ug/l	97

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

