

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111622\
 Data File : VD074945.D
 Acq On : 16 Nov 2022 13:29
 Operator : VA/SY
 Sample : VD1116SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/17/2022
 Supervised By :Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 00:20:31 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	7.881	168	142365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	243860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	220413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	102758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	50088	53.346	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.700%			
35) Dibromofluoromethane	7.810	113	63514	42.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.500%			
50) Toluene-d8	10.269	98	232588	46.971	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.940%			
62) 4-Bromofluorobenzene	12.575	95	76880	50.562	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	24676	24.665	ug/l	97
3) Chloromethane	2.146	50	36833	22.637	ug/l	94
4) Vinyl Chloride	2.281	62	45462	22.774	ug/l	99
5) Bromomethane	2.687	94	38033	24.875	ug/l	99
6) Chloroethane	2.834	64	33149	22.613	ug/l	99
7) Trichlorofluoromethane	3.175	101	53278	23.424	ug/l	95
8) Diethyl Ether	3.593	74	14004	21.475	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.969	101	33962	23.399	ug/l	98
10) Methyl Iodide	4.169	142	34640	22.923	ug/l	99
11) Tert butyl alcohol	5.052	59	7621	100.918	ug/l	98
12) 1,1-Dichloroethene	3.940	96	32067	22.681	ug/l	99
13) Acrolein	3.799	56	6129	142.114	ug/l	97
14) Allyl chloride	4.563	41	34335	22.704	ug/l	99
15) Acrylonitrile	5.263	53	27989	109.829	ug/l	98
16) Acetone	4.022	43	24151	102.761	ug/l	95
17) Carbon Disulfide	4.275	76	87681	21.801	ug/l	100
18) Methyl Acetate	4.563	43	15298	23.849	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	59145	20.895	ug/l	98
20) Methylene Chloride	4.799	84	56454	20.463	ug/l	94
21) trans-1,2-Dichloroethene	5.316	96	35742	22.293	ug/l	91
22) Diisopropyl ether	6.222	45	75716	22.463	ug/l #	94
23) Vinyl Acetate	6.163	43	149296m	103.199	ug/l	
24) 1,1-Dichloroethane	6.116	63	57748	22.942	ug/l	100
25) 2-Butanone	7.087	43	28712	93.424	ug/l	97
26) 2,2-Dichloropropane	7.081	77	46165	19.516	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	34929	19.638	ug/l	98
28) Bromochloromethane	7.428	49	16174	19.917	ug/l	90
29) Tetrahydrofuran	7.452	42	16221	95.353	ug/l	94
30) Chloroform	7.593	83	54040	19.603	ug/l	99
31) Cyclohexane	7.881	56	40267	19.401	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	47573	20.024	ug/l	97
36) 1,1-Dichloropropene	8.010	75	40188	18.191	ug/l	99
37) Ethyl Acetate	7.169	43	11947	16.116	ug/l	97
38) Carbon Tetrachloride	7.999	117	37281	17.927	ug/l	98
39) Methylcyclohexane	9.275	83	46938	19.832	ug/l	97
40) Benzene	8.257	78	120014	18.892	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	6877	17.491	ug/l	91
42) 1,2-Dichloroethane	8.328	62	27306	17.961	ug/l	98
43) Isopropyl Acetate	8.363	43	22853	17.503	ug/l	98
44) Trichloroethene	9.028	130	33317	19.851	ug/l	98
45) 1,2-Dichloropropane	9.304	63	28449	19.931	ug/l	92
46) Dibromomethane	9.393	93	15683	19.619	ug/l	91
47) Bromodichloromethane	9.587	83	38857	19.586	ug/l	97
48) Methyl methacrylate	9.381	41	10637	18.391	ug/l	97
49) 1,4-Dioxane	9.381	88	2930	373.534	ug/l	91
51) 4-Methyl-2-Pentanone	10.163	43	58864	94.567	ug/l	97
52) Toluene	10.334	92	77132	20.307	ug/l	94
53) t-1,3-Dichloropropene	10.557	75	34045	19.426	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	42730	19.881	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	22364	20.120	ug/l	98
56) Ethyl methacrylate	10.598	69	22349	18.481	ug/l	97
57) 1,3-Dichloropropane	10.881	76	34583	19.353	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.875	63	38964	96.462	ug/l	98
59) 2-Hexanone	10.922	43	41343	95.277	ug/l	98
60) Dibromochloromethane	11.075	129	26255	19.911	ug/l	98
61) 1,2-Dibromoethane	11.181	107	20773	19.983	ug/l	99
64) Tetrachloroethene	10.810	164	27941	18.907	ug/l	89
65) Chlorobenzene	11.610	112	84202	19.528	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	28945	19.159	ug/l	99
67) Ethyl Benzene	11.687	91	146199	19.462	ug/l	97
68) m/p-Xylenes	11.792	106	118174	39.455	ug/l	98
69) o-Xylene	12.128	106	53376	19.370	ug/l	96
70) Styrene	12.140	104	91261	19.320	ug/l	98
71) Bromoform	12.304	173	14104	18.039	ug/l #	96
73) Isopropylbenzene	12.422	105	143598	20.303	ug/l	100
74) N-amyl acetate	12.234	43	21080	18.115	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.675	83	24711	19.752	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	17020m	19.803	ug/l	
77) Bromobenzene	12.704	156	32145	19.421	ug/l	95
78) n-propylbenzene	12.769	91	178820	20.568	ug/l	98
79) 2-Chlorotoluene	12.851	91	96218	20.540	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	118503	20.108	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	6206	17.763	ug/l	96
82) 4-Chlorotoluene	12.951	91	99712	20.440	ug/l	97
83) tert-Butylbenzene	13.169	119	100274	19.609	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	117901	20.228	ug/l	100
85) sec-Butylbenzene	13.345	105	159916	20.559	ug/l	100
86) p-Isopropyltoluene	13.463	119	131595	20.346	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	66989	19.457	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	65619	19.203	ug/l	97
89) n-Butylbenzene	13.792	91	122614	20.419	ug/l	98
90) Hexachloroethane	14.057	117	24119	20.821	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	58195	19.876	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2930	16.987	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	32370	18.163	ug/l	95
94) Hexachlorobutadiene	15.210	225	18666	20.305	ug/l	100
95) Naphthalene	15.333	128	58845	17.789	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	29461	19.116	ug/l	97

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

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