

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074905.D
 Acq On : 11 Nov 2022 23:59
 Operator : VA/SY
 Sample : VD1111SBSD02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD02

Manual Integrations
 APPROVED

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

Quant Time: Nov 14 00:58:23 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	153854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	225606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	209914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	101989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58789	58.516	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.040%			
35) Dibromofluoromethane	7.805	113	71697	51.554	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.100%			
50) Toluene-d8	10.269	98	228214	49.817	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.640%			
62) 4-Bromofluorobenzene	12.575	95	74272	52.799	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	23035	20.948	ug/l	99
3) Chloromethane	2.146	50	36389	20.347	ug/l	97
4) Vinyl Chloride	2.275	62	43313	20.077	ug/l	99
5) Bromomethane	2.675	94	38790	23.419	ug/l	99
6) Chloroethane	2.828	64	31211	19.701	ug/l	93
7) Trichlorofluoromethane	3.170	101	48155	19.591	ug/l	89
8) Diethyl Ether	3.587	74	14156	20.087	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	30514	19.453	ug/l	97
10) Methyl Iodide	4.164	142	30302	19.464	ug/l	100
11) Tert butyl alcohol	5.058	59	10500m	133.645	ug/l	
12) 1,1-Dichloroethene	3.934	96	29550	19.340	ug/l	96
13) Acrolein	3.793	56	6269	132.749	ug/l	94
14) Allyl chloride	4.558	41	31264	19.130	ug/l	99
15) Acrylonitrile	5.258	53	28112	102.075	ug/l	98
16) Acetone	4.028	43	20348	80.114	ug/l	95
17) Carbon Disulfide	4.264	76	82528	18.987	ug/l	99
18) Methyl Acetate	4.569	43	15456	22.154	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	60074	19.639	ug/l	97
20) Methylene Chloride	4.799	84	54361	16.267	ug/l	93
21) trans-1,2-Dichloroethene	5.305	96	33499	19.334	ug/l	90
22) Diisopropyl ether	6.216	45	72335	19.858	ug/l	97
23) Vinyl Acetate	6.158	43	136153m	87.086	ug/l	
24) 1,1-Dichloroethane	6.116	63	54891	20.178	ug/l	97
25) 2-Butanone	7.081	43	30356	91.397	ug/l	98
26) 2,2-Dichloropropane	7.075	77	45788	17.911	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	38265	19.907	ug/l	99
28) Bromochloromethane	7.428	49	17707	20.176	ug/l	98
29) Tetrahydrofuran	7.446	42	19025	103.485	ug/l	95
30) Chloroform	7.599	83	60167	20.196	ug/l	93
31) Cyclohexane	7.875	56	41362	18.440	ug/l #	93
32) 1,1,1-Trichloroethane	7.793	97	51506	20.061	ug/l	97
36) 1,1-Dichloropropene	8.010	75	42854	20.967	ug/l	99
37) Ethyl Acetate	7.163	43	14974	21.833	ug/l	99
38) Carbon Tetrachloride	7.987	117	40180	20.885	ug/l	98
39) Methylcyclohexane	9.275	83	43311	19.780	ug/l	97
40) Benzene	8.252	78	132889	22.611	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7538	20.723	ug/l	95
42) 1,2-Dichloroethane	8.328	62	31481	22.383	ug/l	98
43) Isopropyl Acetate	8.363	43	25956	21.488	ug/l	98
44) Trichloroethene	9.028	130	32455	20.903	ug/l	98
45) 1,2-Dichloropropane	9.305	63	26914	20.381	ug/l	94
46) Dibromomethane	9.393	93	15573	21.058	ug/l	93
47) Bromodichloromethane	9.587	83	38155	20.788	ug/l	95
48) Methyl methacrylate	9.381	41	10471	19.569	ug/l	97
49) 1,4-Dioxane	9.387	88	3136	432.144	ug/l	98
51) 4-Methyl-2-Pentanone	10.163	43	61138	106.168	ug/l	95
52) Toluene	10.334	92	76408	21.744	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	33464	20.639	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	40665	20.451	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	22694	22.069	ug/l	96
56) Ethyl methacrylate	10.599	69	22894	20.167	ug/l	95
57) 1,3-Dichloropropane	10.881	76	35164	21.270	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	33068	90.168	ug/l	100
59) 2-Hexanone	10.922	43	40771	101.561	ug/l	96
60) Dibromochloromethane	11.075	129	26814	21.981	ug/l	99
61) 1,2-Dibromoethane	11.181	107	20579	21.398	ug/l	99
64) Tetrachloroethene	10.810	164	27071	19.234	ug/l	98
65) Chlorobenzene	11.610	112	81430	19.830	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	28457	19.778	ug/l	96
67) Ethyl Benzene	11.687	91	137545	19.226	ug/l	99
68) m/p-Xylenes	11.793	106	109462	38.375	ug/l	100
69) o-Xylene	12.122	106	51340	19.563	ug/l	95
70) Styrene	12.140	104	89614	19.921	ug/l	99
71) Bromoform	12.298	173	15232	20.456	ug/l #	97
73) Isopropylbenzene	12.422	105	133604	19.032	ug/l	100
74) N-amyl acetate	12.234	43	22811	19.750	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	24710	19.900	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	16739m	19.623	ug/l	
77) Bromobenzene	12.698	156	32134	19.561	ug/l	97
78) n-propylbenzene	12.763	91	166876	19.339	ug/l	99
79) 2-Chlorotoluene	12.851	91	90730	19.514	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	112960	19.312	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	6279	18.108	ug/l	92
82) 4-Chlorotoluene	12.945	91	95611	19.747	ug/l	98
83) tert-Butylbenzene	13.169	119	94613	18.642	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	111583	19.288	ug/l	99
85) sec-Butylbenzene	13.345	105	145576	18.857	ug/l	100
86) p-Isopropyltoluene	13.463	119	121694	18.957	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	66295	19.400	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	65569	19.333	ug/l	98
89) n-Butylbenzene	13.787	91	108467	18.200	ug/l	98
90) Hexachloroethane	14.057	117	22045	19.174	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	57319	19.725	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3207	18.733	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	33246	18.795	ug/l	99
94) Hexachlorobutadiene	15.204	225	16910	18.533	ug/l	97
95) Naphthalene	15.334	128	62169	18.936	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	29402	19.221	ug/l	98

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

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