

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110422\
 Data File : VD074730.D
 Acq On : 04 Nov 2022 11:36
 Operator : VA/SY
 Sample : VD1104SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 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 00:24:27 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	147018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	244636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	194447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	57089	49.028	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.060%		
35) Dibromofluoromethane	7.804	113	70331	48.601	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.200%		
50) Toluene-d8	10.269	98	236581	44.818	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.640%		
62) 4-Bromofluorobenzene	12.575	95	71683	47.032	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	24512	20.300	ug/l	90
3) Chloromethane	2.146	50	35551	18.450	ug/l	94
4) Vinyl Chloride	2.281	62	40332	19.087	ug/l	98
5) Bromomethane	2.681	94	32745	20.452	ug/l	99
6) Chloroethane	2.828	64	29033	19.823	ug/l	97
7) Trichlorofluoromethane	3.169	101	50583	20.605	ug/l	91
8) Diethyl Ether	3.593	74	13043	18.187	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.963	101	31720	20.341	ug/l	98
10) Methyl Iodide	4.158	142	30655	19.028	ug/l	100
11) Tert butyl alcohol	5.040	59	13491	41.447	ug/l #	91
12) 1,1-Dichloroethene	3.940	96	30684	19.373	ug/l	93
13) Acrolein	3.793	56	8854	110.482	ug/l	98
14) Allyl chloride	4.563	41	33264	19.850	ug/l	99
15) Acrylonitrile	5.252	53	26326	92.897	ug/l	97
16) Acetone	4.016	43	23144	95.246	ug/l	95
17) Carbon Disulfide	4.269	76	90548	18.959	ug/l	98
18) Methyl Acetate	4.558	43	14313	19.479	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	58524	19.429	ug/l	99
20) Methylene Chloride	4.805	84	52294	18.172	ug/l	95
21) trans-1,2-Dichloroethene	5.310	96	34159	19.623	ug/l	95
22) Diisopropyl ether	6.210	45	71739	20.741	ug/l	93
23) Vinyl Acetate	6.157	43	153141m	104.138	ug/l	
24) 1,1-Dichloroethane	6.110	63	52594	19.881	ug/l	100
25) 2-Butanone	7.081	43	31542	94.408	ug/l	99
26) 2,2-Dichloropropane	7.075	77	48507	19.927	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	36893	19.213	ug/l	99
28) Bromochloromethane	7.428	49	16584	19.865	ug/l	99
29) Tetrahydrofuran	7.446	42	17558	91.634	ug/l	98
30) Chloroform	7.599	83	57337	20.288	ug/l	99
31) Cyclohexane	7.875	56	45159	19.155	ug/l	95
32) 1,1,1-Trichloroethane	7.787	97	51128	20.479	ug/l	97
36) 1,1-Dichloropropene	8.010	75	43328	19.725	ug/l	99
37) Ethyl Acetate	7.169	43	13948	19.035	ug/l	94
38) Carbon Tetrachloride	7.993	117	40652	19.534	ug/l	91
39) Methylcyclohexane	9.275	83	53006	19.834	ug/l	94
40) Benzene	8.251	78	127550	19.646	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	7234	19.501	ug/l	94
42) 1,2-Dichloroethane	8.322	62	30364	20.343	ug/l	100
43) Isopropyl Acetate	8.357	43	25493	18.698	ug/l	98
44) Trichloroethene	9.028	130	36897	19.947	ug/l	99
45) 1,2-Dichloropropane	9.304	63	29457	20.515	ug/l	96
46) Dibromomethane	9.393	93	16927	20.342	ug/l	94
47) Bromodichloromethane	9.581	83	41474	20.702	ug/l #	95
48) Methyl methacrylate	9.381	41	11789	19.403	ug/l	94
49) 1,4-Dioxane	9.381	88	3109	370.487	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	57881	87.542	ug/l	96
52) Toluene	10.334	92	75605	19.020	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	32809	18.517	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	41220	18.540	ug/l	100
55) 1,1,2-Trichloroethane	10.734	97	20939	18.523	ug/l	96
56) Ethyl methacrylate	10.598	69	22132	17.511	ug/l	94
57) 1,3-Dichloropropane	10.881	76	33264	18.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	31402	112.467	ug/l	95
59) 2-Hexanone	10.922	43	40123	88.218	ug/l	100
60) Dibromochloromethane	11.075	129	25365	18.795	ug/l	98
61) 1,2-Dibromoethane	11.181	107	18909	17.750	ug/l	95
64) Tetrachloroethene	10.810	164	27963	20.357	ug/l	91
65) Chlorobenzene	11.604	112	79302	20.594	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	26946	20.625	ug/l	97
67) Ethyl Benzene	11.687	91	139888	20.500	ug/l	96
68) m/p-Xylenes	11.792	106	112529	41.536	ug/l	98
69) o-Xylene	12.122	106	50196	20.154	ug/l	99
70) Styrene	12.134	104	88581	20.993	ug/l	99
71) Bromoform	12.298	173	14618	20.893	ug/l #	97
73) Isopropylbenzene	12.422	105	137220	20.597	ug/l	100
74) N-amyl acetate	12.234	43	20805	19.227	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	22140	19.778	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	14411m	20.387	ug/l	
77) Bromobenzene	12.698	156	31293	20.400	ug/l	97
78) n-propylbenzene	12.763	91	168579	21.123	ug/l	100
79) 2-Chlorotoluene	12.851	91	89426	20.809	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	113040	20.797	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	6211	20.857	ug/l	96
82) 4-Chlorotoluene	12.945	91	94103	21.053	ug/l	99
83) tert-Butylbenzene	13.169	119	98631	20.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	111088	20.713	ug/l	98
85) sec-Butylbenzene	13.345	105	151073	20.905	ug/l	99
86) p-Isopropyltoluene	13.457	119	126248	20.744	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	65064	20.456	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	63901	20.436	ug/l	98
89) n-Butylbenzene	13.786	91	116929	21.007	ug/l	98
90) Hexachloroethane	14.051	117	21950	21.036	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	55965	20.658	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3180	20.550	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	33522	20.040	ug/l	99
94) Hexachlorobutadiene	15.204	225	17772	20.310	ug/l	97
95) Naphthalene	15.328	128	60033	18.685	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	27628	18.770	ug/l	96

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

