

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076747.D
 Acq On : 17 Jul 2023 11:46
 Operator : KP/SY
 Sample : VD0717SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0717SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 01:22:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	204434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	373707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	339998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	159296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99949	49.085	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.180%		
35) Dibromofluoromethane	7.804	113	114993	48.966	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.940%		
50) Toluene-d8	10.269	98	397213	47.281	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.560%		
62) 4-Bromofluorobenzene	12.575	95	131506	48.388	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	35956	22.492	ug/l	95
3) Chloromethane	2.146	50	53900	19.545	ug/l	94
4) Vinyl Chloride	2.275	62	72390	19.692	ug/l	100
5) Bromomethane	2.669	94	57626	19.052	ug/l	99
6) Chloroethane	2.822	64	52934	19.072	ug/l	99
7) Trichlorofluoromethane	3.164	101	71652	21.905	ug/l	96
8) Diethyl Ether	3.593	74	23545	20.906	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.958	101	47005	21.861	ug/l	98
10) Methyl Iodide	4.158	142	47913	19.768	ug/l	94
11) Tert butyl alcohol	5.069	59	17223	113.350	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	41343	20.466	ug/l	92
13) Acrolein	3.799	56	12714	122.786	ug/l	96
14) Allyl chloride	4.558	41	52234	19.683	ug/l	91
15) Acrylonitrile	5.258	53	55797	100.874	ug/l	96
16) Acetone	4.022	43	48810	100.371	ug/l	90
17) Carbon Disulfide	4.263	76	96913	20.540	ug/l #	95
18) Methyl Acetate	4.558	43	37505	20.527	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	108483	20.025	ug/l	99
20) Methylene Chloride	4.793	84	69658	17.325	ug/l	90
21) trans-1,2-Dichloroethene	5.311	96	47322	20.153	ug/l	95
22) Diisopropyl ether	6.210	45	121659	19.360	ug/l	98
23) Vinyl Acetate	6.152	43	294034	94.567	ug/l	99
24) 1,1-Dichloroethane	6.110	63	85084	20.082	ug/l	95
25) 2-Butanone	7.081	43	67796	104.168	ug/l	96
26) 2,2-Dichloropropane	7.075	77	80096	21.930	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	60118	20.768	ug/l	95
28) Bromochloromethane	7.428	49	25155	23.747	ug/l	83
29) Tetrahydrofuran	7.440	42	37996	98.810	ug/l	93
30) Chloroform	7.599	83	95671	20.616	ug/l	97
31) Cyclohexane	7.875	56	61194	20.421	ug/l #	96
32) 1,1,1-Trichloroethane	7.793	97	84098	22.461	ug/l	93
36) 1,1-Dichloropropene	8.004	75	64787	21.112	ug/l	98
37) Ethyl Acetate	7.175	43	26062	18.991	ug/l #	74
38) Carbon Tetrachloride	7.987	117	63025	21.449	ug/l	99
39) Methylcyclohexane	9.269	83	73672	20.792	ug/l	96
40) Benzene	8.246	78	199308	20.584	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	15876	18.944	ug/l	95
42) 1,2-Dichloroethane	8.322	62	53918	21.432	ug/l	97
43) Isopropyl Acetate	8.363	43	52214	19.495	ug/l	95
44) Trichloroethene	9.022	130	55747	21.128	ug/l	93
45) 1,2-Dichloropropane	9.304	63	51752	20.706	ug/l	100
46) Dibromomethane	9.393	93	29787	20.360	ug/l	93
47) Bromodichloromethane	9.587	83	75414	20.541	ug/l	95
48) Methyl methacrylate	9.381	41	24691	20.255	ug/l	80
49) 1,4-Dioxane	9.387	88	7229	385.666	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	142507	99.934	ug/l	94
52) Toluene	10.334	92	130018	20.445	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	67484	19.803	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	79685	19.841	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	44854	20.995	ug/l	94
56) Ethyl methacrylate	10.598	69	49168	19.940	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	68564	19.707	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	99200	103.934	ug/l	100
59) 2-Hexanone	10.922	43	101353	99.608	ug/l	92
60) Dibromochloromethane	11.075	129	53079	21.387	ug/l	99
61) 1,2-Dibromoethane	11.181	107	40745	20.571	ug/l	100
64) Tetrachloroethene	10.810	164	45251	23.341	ug/l	98
65) Chlorobenzene	11.604	112	144561	21.141	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	52987	20.813	ug/l	98
67) Ethyl Benzene	11.681	91	249008	20.735	ug/l	95
68) m/p-Xylenes	11.793	106	190617	41.329	ug/l	92
69) o-Xylene	12.122	106	91305	20.472	ug/l	96
70) Styrene	12.134	104	161508	20.686	ug/l	98
71) Bromoform	12.298	173	31182	22.364	ug/l #	99
73) Isopropylbenzene	12.422	105	243607	21.078	ug/l	95
74) N-amyl acetate	12.234	43	49945	20.513	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	50786	20.466	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	32902m	21.719	ug/l	
77) Bromobenzene	12.704	156	55567	20.830	ug/l	88
78) n-propylbenzene	12.763	91	295985	21.125	ug/l	96
79) 2-Chlorotoluene	12.851	91	159765	20.796	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	196613	21.039	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	14774	20.756	ug/l	98
82) 4-Chlorotoluene	12.945	91	170388	21.230	ug/l	94
83) tert-Butylbenzene	13.169	119	175522	21.332	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	193721	20.285	ug/l	100
85) sec-Butylbenzene	13.345	105	269309	21.422	ug/l	95
86) p-Isopropyltoluene	13.463	119	218681	21.063	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	117907	21.488	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	114764	21.348	ug/l	98
89) n-Butylbenzene	13.787	91	214941	21.157	ug/l	98
90) Hexachloroethane	14.051	117	43572	22.700	ug/l	89
91) 1,2-Dichlorobenzene	13.828	146	104238	21.559	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7123	20.132	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	61319	20.774	ug/l	95
94) Hexachlorobutadiene	15.204	225	30496	21.482	ug/l	97
95) Naphthalene	15.334	128	127967	20.022	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	56483	21.323	ug/l	99

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

