

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076848.D
 Acq On : 28 Jul 2023 12:04
 Operator : KP/SY
 Sample : VD0728SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 23:00:59 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	163795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	301394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	274277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	130907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82043	50.288	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.580%			
35) Dibromofluoromethane	7.805	113	97763	51.618	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.240%			
50) Toluene-d8	10.269	98	323637	47.766	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.540%			
62) 4-Bromofluorobenzene	12.575	95	106603	48.636	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	26239	20.486	ug/l	96
3) Chloromethane	2.146	50	42207	19.102	ug/l	99
4) Vinyl Chloride	2.275	62	57759	19.610	ug/l	96
5) Bromomethane	2.670	94	45570	18.805	ug/l	100
6) Chloroethane	2.822	64	45717	20.558	ug/l	92
7) Trichlorofluoromethane	3.164	101	57525	21.949	ug/l	96
8) Diethyl Ether	3.593	74	18309	20.291	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.958	101	36057	20.930	ug/l	98
10) Methyl Iodide	4.152	142	35174	18.112	ug/l	91
11) Tert butyl alcohol	5.064	59	13354	109.692	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	32360	19.993	ug/l	96
13) Acrolein	3.793	56	9411	113.437	ug/l	99
14) Allyl chloride	4.546	41	42023	19.764	ug/l	92
15) Acrylonitrile	5.258	53	44594	100.623	ug/l	98
16) Acetone	4.022	43	39248	100.733	ug/l	87
17) Carbon Disulfide	4.258	76	63102	16.692	ug/l	99
18) Methyl Acetate	4.558	43	33160	22.652	ug/l	93
19) Methyl tert-butyl Ether	5.316	73	88260	20.334	ug/l	98
20) Methylene Chloride	4.793	84	69320	24.659	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	35610	18.927	ug/l	88
22) Diisopropyl ether	6.211	45	106981	21.248	ug/l	92
23) Vinyl Acetate	6.152	43	243061m	97.569	ug/l	
24) 1,1-Dichloroethane	6.105	63	72814	21.449	ug/l	97
25) 2-Butanone	7.081	43	55252	105.958	ug/l	88
26) 2,2-Dichloropropane	7.075	77	61318	20.954	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	49378	21.290	ug/l	96
28) Bromochloromethane	7.416	49	19521	23.001	ug/l	85
29) Tetrahydrofuran	7.446	42	33043	107.250	ug/l	90
30) Chloroform	7.593	83	82461	22.178	ug/l	97
31) Cyclohexane	7.875	56	45779	19.067	ug/l #	92
32) 1,1,1-Trichloroethane	7.787	97	65933	21.979	ug/l	97
36) 1,1-Dichloropropene	8.005	75	49585	20.035	ug/l	97
37) Ethyl Acetate	7.169	43	22644	20.459	ug/l	98
38) Carbon Tetrachloride	7.987	117	50793	21.434	ug/l	99
39) Methylcyclohexane	9.269	83	54304	19.003	ug/l	95
40) Benzene	8.246	78	160052	20.496	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.387	41	11285m	16.697	ug/l	
42) 1,2-Dichloroethane	8.322	62	44260	21.814	ug/l	97
43) Isopropyl Acetate	8.357	43	44724	20.705	ug/l	96
44) Trichloroethene	9.022	130	42746	20.088	ug/l	99
45) 1,2-Dichloropropane	9.304	63	43609	21.634	ug/l	99
46) Dibromomethane	9.393	93	26118	22.136	ug/l	87
47) Bromodichloromethane	9.581	83	62963	21.264	ug/l	96
48) Methyl methacrylate	9.381	41	18178	18.490	ug/l #	86
49) 1,4-Dioxane	9.381	88	5941	392.997	ug/l #	92
51) 4-Methyl-2-Pentanone	10.157	43	120042	104.377	ug/l	94
52) Toluene	10.334	92	104129	20.303	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	56834	20.680	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	67205	20.749	ug/l #	87
55) 1,1,2-Trichloroethane	10.734	97	37221	21.603	ug/l	95
56) Ethyl methacrylate	10.599	69	42034	21.137	ug/l #	94
57) 1,3-Dichloropropane	10.875	76	58504	20.850	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	82188	106.770	ug/l	96
59) 2-Hexanone	10.922	43	84918	103.479	ug/l	91
60) Dibromochloromethane	11.075	129	43502	21.734	ug/l	95
61) 1,2-Dibromoethane	11.175	107	32983	20.648	ug/l	100
64) Tetrachloroethene	10.810	164	34210	21.874	ug/l	92
65) Chlorobenzene	11.604	112	115901	21.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	44713	21.771	ug/l	99
67) Ethyl Benzene	11.681	91	204158	21.074	ug/l	97
68) m/p-Xylenes	11.793	106	156298	42.008	ug/l	93
69) o-Xylene	12.122	106	73921	20.545	ug/l	94
70) Styrene	12.134	104	129975	20.636	ug/l	97
71) Bromoform	12.298	173	25558	22.722	ug/l #	100
73) Isopropylbenzene	12.422	105	197589	20.804	ug/l	96
74) N-amyl acetate	12.234	43	41846	20.914	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	45792	22.456	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	27934m	22.439	ug/l	
77) Bromobenzene	12.698	156	46198	21.073	ug/l	89
78) n-propylbenzene	12.763	91	246969	21.449	ug/l	94
79) 2-Chlorotoluene	12.845	91	132112	20.926	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	160840	20.944	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.463	75	12260	20.959	ug/l	98
82) 4-Chlorotoluene	12.945	91	140572	21.314	ug/l	93
83) tert-Butylbenzene	13.163	119	143421	21.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	161174	20.537	ug/l	97
85) sec-Butylbenzene	13.345	105	217849	21.087	ug/l	95
86) p-Isopropyltoluene	13.457	119	182261	21.362	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	95697	21.223	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	93812	21.235	ug/l	95
89) n-Butylbenzene	13.787	91	171434	20.534	ug/l	98
90) Hexachloroethane	14.051	117	36978	23.443	ug/l	86
91) 1,2-Dichlorobenzene	13.828	146	86919	21.876	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6400	22.012	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	51520	21.239	ug/l	98
94) Hexachlorobutadiene	15.204	225	23792	20.394	ug/l	98
95) Naphthalene	15.328	128	113213	21.555	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	45888	21.081	ug/l	99

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

