

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021723\
 Data File : VD075351.D
 Acq On : 17 Feb 2023 11:03
 Operator : KP/SY
 Sample : VD0217SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/20/2023
 Supervised By :Mahesh Dadoda 02/20/2023

Quant Time: Feb 18 01:04:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	46662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	77454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	70637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	37305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	28238	51.609	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.220%			
35) Dibromofluoromethane	7.804	113	29219	53.800	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.600%			
50) Toluene-d8	10.269	98	103203	50.107	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.220%			
62) 4-Bromofluorobenzene	12.575	95	34950	51.462	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	8992	21.924	ug/l	92
3) Chloromethane	2.146	50	15367	20.471	ug/l	95
4) Vinyl Chloride	2.281	62	16336	21.043	ug/l	99
5) Bromomethane	2.681	94	8758	17.633	ug/l	100
6) Chloroethane	2.834	64	12130	22.650	ug/l	92
7) Trichlorofluoromethane	3.169	101	20857	21.608	ug/l	94
8) Diethyl Ether	3.593	74	5147	19.836	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	12393	22.626	ug/l	97
10) Methyl Iodide	4.163	142	6907	12.434	ug/l	97
11) Tert butyl alcohol	5.063	59	4536m	133.828	ug/l	
12) 1,1-Dichloroethene	3.940	96	10373	19.862	ug/l	94
13) Acrolein	3.793	56	2541	130.616	ug/l	94
14) Allyl chloride	4.563	41	18641	21.453	ug/l	94
15) Acrylonitrile	5.251	53	13401	106.694	ug/l	99
16) Acetone	4.028	43	14287	98.750	ug/l	92
17) Carbon Disulfide	4.269	76	29451	18.279	ug/l	100
18) Methyl Acetate	4.557	43	8704	20.970	ug/l	96
19) Methyl tert-butyl Ether	5.322	73	25470	21.242	ug/l	100
20) Methylene Chloride	4.804	84	14448	20.093	ug/l	94
21) trans-1,2-Dichloroethene	5.304	96	11838	20.031	ug/l	97
22) Diisopropyl ether	6.222	45	37321	21.593	ug/l #	97
23) Vinyl Acetate	6.163	43	57689	109.745	ug/l	97
24) 1,1-Dichloroethane	6.110	63	23591	21.893	ug/l	98
25) 2-Butanone	7.081	43	18505	103.226	ug/l	99
26) 2,2-Dichloropropane	7.075	77	20197	21.175	ug/l	97
27) cis-1,2-Dichloroethene	7.087	96	13834	20.923	ug/l	97
28) Bromochloromethane	7.428	49	6519	22.027	ug/l #	91
29) Tetrahydrofuran	7.445	42	9856	102.100	ug/l	95
30) Chloroform	7.598	83	24240	21.856	ug/l	92
31) Cyclohexane	7.881	56	18870	19.422	ug/l #	93
32) 1,1,1-Trichloroethane	7.792	97	22627	22.808	ug/l	98
36) 1,1-Dichloropropene	8.010	75	17735	20.963	ug/l	98
37) Ethyl Acetate	7.169	43	8091	21.928	ug/l #	94
38) Carbon Tetrachloride	7.987	117	18768	23.940	ug/l	93
39) Methylcyclohexane	9.275	83	18430	18.820	ug/l	96
40) Benzene	8.251	78	49340	20.750	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	4134m	18.781	ug/l	
42) 1,2-Dichloroethane	8.322	62	14848	21.569	ug/l	100
43) Isopropyl Acetate	8.363	43	14401	20.426	ug/l #	83
44) Trichloroethene	9.028	130	13536	20.651	ug/l	99
45) 1,2-Dichloropropane	9.304	63	13133	21.748	ug/l	97
46) Dibromomethane	9.392	93	6829	20.406	ug/l	99
47) Bromodichloromethane	9.586	83	18435	22.134	ug/l	92
48) Methyl methacrylate	9.381	41	7377	22.032	ug/l	90
49) 1,4-Dioxane	9.386	88	1485	475.121	ug/l	92
51) 4-Methyl-2-Pentanone	10.163	43	37503	105.217	ug/l	94
52) Toluene	10.334	92	31742	21.194	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	13869	19.224	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	17275	20.028	ug/l	92
55) 1,1,2-Trichloroethane	10.739	97	9658	22.608	ug/l	92
56) Ethyl methacrylate	10.604	69	10482	21.106	ug/l	94
57) 1,3-Dichloropropane	10.881	76	15966	21.939	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	11204	89.216	ug/l	97
59) 2-Hexanone	10.922	43	27546	105.781	ug/l	91
60) Dibromochloromethane	11.075	129	12106	22.873	ug/l	98
61) 1,2-Dibromoethane	11.181	107	8459	20.536	ug/l	99
64) Tetrachloroethene	10.810	164	11223	20.629	ug/l	90
65) Chlorobenzene	11.610	112	34563	21.697	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.686	131	12629	21.775	ug/l	99
67) Ethyl Benzene	11.686	91	61709	20.983	ug/l	99
68) m/p-Xylenes	11.798	106	47788	42.717	ug/l	97
69) o-Xylene	12.128	106	21707	20.773	ug/l	94
70) Styrene	12.139	104	38632	21.825	ug/l	98
71) Bromoform	12.304	173	6704	21.520	ug/l #	96
73) Isopropylbenzene	12.428	105	59819	19.794	ug/l	97
74) N-amyl acetate	12.233	43	13279	19.554	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	10962	20.849	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	8528m	20.126	ug/l	
77) Bromobenzene	12.698	156	13520	19.756	ug/l	94
78) n-propylbenzene	12.763	91	76084	20.233	ug/l	98
79) 2-Chlorotoluene	12.851	91	41251	19.999	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	51296	20.385	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.475	75	2070	17.287	ug/l #	83
82) 4-Chlorotoluene	12.951	91	43885	20.396	ug/l	96
83) tert-Butylbenzene	13.169	119	42390	19.540	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	50853	20.234	ug/l	99
85) sec-Butylbenzene	13.351	105	67472	20.274	ug/l	98
86) p-Isopropyltoluene	13.463	119	56033	20.582	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	29055	21.006	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	28848	20.843	ug/l	97
89) n-Butylbenzene	13.792	91	53751	20.224	ug/l	98
90) Hexachloroethane	14.057	117	11080	20.644	ug/l	98
91) 1,2-Dichlorobenzene	13.833	146	24765	20.635	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1832	22.464	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	14744	19.615	ug/l	99
94) Hexachlorobutadiene	15.204	225	8703	21.946	ug/l	97
95) Naphthalene	15.333	128	26691	19.078	ug/l	98
96) 1,2,3-Trichlorobenzene	15.521	180	13347	20.580	ug/l	98

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

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