

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078113.D
 Acq On : 29 Dec 2023 17:27
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024
 Supervised By :Mahesh Dadoda 01/01/2024

Quant Time: Dec 29 22:38:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	154558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	247618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	237547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68954	50.141	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	= 100.280%		
35) Dibromofluoromethane	7.805	113	79901	50.150	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	= 100.300%		
50) Toluene-d8	10.269	98	289290	51.602	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	= 103.200%		
62) 4-Bromofluorobenzene	12.575	95	94267	52.260	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	= 104.520%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	49675	37.501	ug/l	95
3) Chloromethane	2.146	50	79334	43.428	ug/l	99
4) Vinyl Chloride	2.287	62	114593	41.617	ug/l	95
5) Bromomethane	2.693	94	84500	38.274	ug/l	99
6) Chloroethane	2.840	64	89786	44.374	ug/l	99
7) Trichlorofluoromethane	3.181	101	110546	41.711	ug/l	98
8) Diethyl Ether	3.593	74	35945	49.460	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	66362	40.202	ug/l	97
10) Methyl Iodide	4.170	142	74514	48.037	ug/l #	90
11) Tert butyl alcohol	5.052	59	16883	275.361	ug/l #	94
12) 1,1-Dichloroethene	3.946	96	62429	42.742	ug/l	90
13) Acrolein	3.799	56	13178	181.942	ug/l	87
14) Allyl chloride	4.558	41	77191	43.723	ug/l	91
15) Acrylonitrile	5.258	53	75522	248.425	ug/l	97
16) Acetone	4.022	43	58419	203.311	ug/l #	86
17) Carbon Disulfide	4.270	76	162389	44.996	ug/l	100
18) Methyl Acetate	4.558	43	63460	56.304	ug/l	95
19) Methyl tert-butyl Ether	5.317	73	165686	51.254	ug/l	98
20) Methylene Chloride	4.799	84	81792	48.435	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	77694	46.274	ug/l	96
22) Diisopropyl ether	6.216	45	187814	47.628	ug/l	96
23) Vinyl Acetate	6.158	43	350612m	232.564	ug/l	
24) 1,1-Dichloroethane	6.117	63	132878	45.533	ug/l	99
25) 2-Butanone	7.087	43	85841	234.982	ug/l	91
26) 2,2-Dichloropropane	7.075	77	102691	39.168	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	93164	46.772	ug/l	99
28) Bromochloromethane	7.422	49	52891	50.659	ug/l	94
29) Tetrahydrofuran	7.446	42	52739	247.732	ug/l	95
30) Chloroform	7.599	83	148156	46.847	ug/l	94
31) Cyclohexane	7.875	56	87629	39.943	ug/l	99
32) 1,1,1-Trichloroethane	7.799	97	120548	44.352	ug/l	98
36) 1,1-Dichloropropene	8.011	75	98324	43.860	ug/l	97
37) Ethyl Acetate	7.164	43	33745	45.260	ug/l #	96
38) Carbon Tetrachloride	7.993	117	106892	44.003	ug/l	95
39) Methylcyclohexane	9.275	83	109432	42.578	ug/l	94
40) Benzene	8.252	78	303792	47.018	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	22046	46.738	ug/l #	93
42) 1,2-Dichloroethane	8.322	62	83344	47.731	ug/l	97
43) Isopropyl Acetate	8.363	43	74849	50.143	ug/l	95
44) Trichloroethene	9.028	130	88290	47.496	ug/l	91
45) 1,2-Dichloropropane	9.305	63	75962	46.396	ug/l	99
46) Dibromomethane	9.399	93	46152	50.330	ug/l	99
47) Bromodichloromethane	9.581	83	114131	47.915	ug/l	98
48) Methyl methacrylate	9.381	41	41759	49.639	ug/l #	85
49) 1,4-Dioxane	9.381	88	8443	973.965	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	191200	249.630	ug/l	97
52) Toluene	10.334	92	201772	48.147	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	105205	48.680	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	124835	48.100	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	64554	50.026	ug/l	95
56) Ethyl methacrylate	10.599	69	54761	53.475	ug/l	95
57) 1,3-Dichloropropane	10.881	76	106426	50.197	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	148673	335.327	ug/l	98
59) 2-Hexanone	10.922	43	137030	230.322	ug/l	94
60) Dibromochloromethane	11.075	129	85631	52.090	ug/l	98
61) 1,2-Dibromoethane	11.181	107	63858	51.617	ug/l	99
64) Tetrachloroethene	10.810	164	73238	45.627	ug/l	93
65) Chlorobenzene	11.604	112	233294	46.228	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	90728	47.499	ug/l	95
67) Ethyl Benzene	11.687	91	400356	45.505	ug/l	99
68) m/p-Xylenes	11.793	106	312964	91.401	ug/l	96
69) o-Xylene	12.122	106	147428	46.197	ug/l	93
70) Styrene	12.134	104	229243	48.653	ug/l	97
71) Bromoform	12.299	173	54416	51.638	ug/l #	98
73) Isopropylbenzene	12.422	105	387649	44.217	ug/l	98
74) N-amyl acetate	12.234	43	67572	46.429	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	75121	47.147	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	48193m	44.878	ug/l	
77) Bromobenzene	12.698	156	102954	48.273	ug/l	97
78) n-propylbenzene	12.763	91	456655	43.274	ug/l	99
79) 2-Chlorotoluene	12.851	91	251851	44.124	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	324288	44.722	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	22251	44.648	ug/l	95
82) 4-Chlorotoluene	12.946	91	267338	43.686	ug/l	100
83) tert-Butylbenzene	13.169	119	292152	44.977	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	335034	45.361	ug/l	98
85) sec-Butylbenzene	13.346	105	403349	43.494	ug/l	98
86) p-Isopropyltoluene	13.457	119	369903	44.571	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	201765	45.724	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	194461	44.933	ug/l	99
89) n-Butylbenzene	13.787	91	323794	42.506	ug/l	99
90) Hexachloroethane	14.051	117	71221	42.926	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	172187	45.437	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	10937	49.010	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	115764	46.789	ug/l	97
94) Hexachlorobutadiene	15.204	225	61386	44.160	ug/l	99
95) Naphthalene	15.334	128	224563	53.314	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	105766	50.381	ug/l	99

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

