

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078036.D
 Acq On : 21 Dec 2023 19:49
 Operator : RP/MD
 Sample : 05796-06MSD
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-SB-04-13-14MSD

Quant Time: Dec 22 05:34:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.881	168	121201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	212088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	198411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79672	55.786	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.580%			
35) Dibromofluoromethane	7.811	113	86783	58.416	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.840%			
50) Toluene-d8	10.269	98	332206	55.833	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.660%			
62) 4-Bromofluorobenzene	12.575	95	102440	57.586	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	59578	39.351	ug/l	98
3) Chloromethane	2.152	50	101494	49.181	ug/l	97
4) Vinyl Chloride	2.287	62	146396	52.255	ug/l	99
5) Bromomethane	2.693	94	121186	77.089	ug/l	98
6) Chloroethane	2.840	64	110326	57.762	ug/l	98
7) Trichlorofluoromethane	3.181	101	124545	48.269	ug/l	99
8) Diethyl Ether	3.593	74	38673	53.376	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.975	101	74713	50.615	ug/l	97
10) Methyl Iodide	4.170	142	89138	66.352	ug/l	91
11) Tert butyl alcohol	5.040	59	17608	256.306	ug/l #	87
12) 1,1-Dichloroethene	3.946	96	74110	50.869	ug/l	85
13) Acrolein	3.799	56	24601	162.840	ug/l	100
14) Allyl chloride	4.564	41	92085	45.957	ug/l	89
15) Acrylonitrile	5.258	53	85159	274.517	ug/l	98
16) Acetone	4.023	43	75723	244.657	ug/l	90
17) Carbon Disulfide	4.275	76	205406	41.674	ug/l	99
18) Methyl Acetate	4.564	43	69918	62.162	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	176948	57.246	ug/l	98
20) Methylene Chloride	4.805	84	101188	60.880	ug/l #	86
21) trans-1,2-Dichloroethene	5.317	96	89801	54.420	ug/l	86
22) Diisopropyl ether	6.217	45	224610	53.642	ug/l	91
23) Vinyl Acetate	6.158	43	506982m	247.940	ug/l	
24) 1,1-Dichloroethane	6.117	63	158034	55.733	ug/l	97
25) 2-Butanone	7.081	43	100098	255.290	ug/l	87
26) 2,2-Dichloropropane	7.081	77	130833	54.954	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	105313	59.311	ug/l	92
28) Bromochloromethane	7.422	49	61857	53.986	ug/l	85
29) Tetrahydrofuran	7.446	42	56160	246.939	ug/l	93
30) Chloroform	7.599	83	165998	58.493	ug/l	97
31) Cyclohexane	7.881	56	107667	42.384	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	137163	54.826	ug/l	99
36) 1,1-Dichloropropene	8.011	75	118054	49.680	ug/l	96
37) Ethyl Acetate	7.164	43	41641	44.941	ug/l #	94
38) Carbon Tetrachloride	7.993	117	121688	51.366	ug/l	97
39) Methylcyclohexane	9.275	83	129683	46.034	ug/l	96
40) Benzene	8.252	78	366335	54.316	ug/l	99

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41) Methacrylonitrile	7.399	41	23266	49.403	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	95967	54.893	ug/l	94
43) Isopropyl Acetate	8.363	43	82619	50.160	ug/l	92
44) Trichloroethene	9.028	130	96518	54.915	ug/l	100
45) 1,2-Dichloropropane	9.305	63	90052	54.925	ug/l	100
46) Dibromomethane	9.393	93	49464	57.018	ug/l	96
47) Bromodichloromethane	9.587	83	127884	58.160	ug/l	94
48) Methyl methacrylate	9.381	41	47117	50.323	ug/l	82
49) 1,4-Dioxane	9.387	88	8295	962.954	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	215384	256.221	ug/l	93
52) Toluene	10.334	92	234927	56.154	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	117438	55.617	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	143691	56.285	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	70632	59.524	ug/l	95
56) Ethyl methacrylate	10.599	69	57437	54.909	ug/l #	90
57) 1,3-Dichloropropane	10.881	76	118575	57.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	133704	224.135	ug/l	96
59) 2-Hexanone	10.922	43	153144	219.588	ug/l	92
60) Dibromochloromethane	11.075	129	87839	61.483	ug/l	100
61) 1,2-Dibromoethane	11.181	107	66552	59.581	ug/l	99
64) Tetrachloroethene	10.810	164	77127	52.888	ug/l	95
65) Chlorobenzene	11.610	112	253116	54.276	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	95865	58.103	ug/l	98
67) Ethyl Benzene	11.687	91	453973	54.957	ug/l	98
68) m/p-Xylenes	11.793	106	361220	114.322	ug/l	94
69) o-Xylene	12.122	106	166374	57.134	ug/l	93
70) Styrene	12.134	104	255917	59.103	ug/l	96
71) Bromoform	12.299	173	50172	58.198	ug/l #	99
73) Isopropylbenzene	12.422	105	440531	52.665	ug/l	96
74) N-amyl acetate	12.234	43	72545	44.120	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	80765	55.375	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	51614m	53.847	ug/l	
77) Bromobenzene	12.699	156	103327	52.517	ug/l	92
78) n-propylbenzene	12.763	91	539982	52.977	ug/l	96
79) 2-Chlorotoluene	12.851	91	286533	52.456	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	369349	52.942	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	24875	52.579	ug/l	97
82) 4-Chlorotoluene	12.946	91	306937	53.749	ug/l	96
83) tert-Butylbenzene	13.169	119	321101	54.518	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	384565	55.112	ug/l	96
85) sec-Butylbenzene	13.346	105	460974	52.949	ug/l	97
86) p-Isopropyltoluene	13.457	119	416088	53.381	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	218887	54.402	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	213073	53.157	ug/l	97
89) n-Butylbenzene	13.787	91	381441	52.006	ug/l	99
90) Hexachloroethane	14.051	117	81936	57.158	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	187240	54.718	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11370	53.892	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	114858	49.140	ug/l	99
94) Hexachlorobutadiene	15.204	225	59947	47.562	ug/l	99
95) Naphthalene	15.328	128	211942	54.575	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	99657	51.718	ug/l	99

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

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