

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078002.D
 Acq On : 20 Dec 2023 18:10
 Operator : RP/MD
 Sample : 05796-05MS
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Dec 21 05:27:08 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 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	73802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	146251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	90696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	21150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	56731	65.234	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.460%			
35) Dibromofluoromethane	7.804	113	60431	58.989	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.980%			
50) Toluene-d8	10.269	98	161677	39.404	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 78.800%			
62) 4-Bromofluorobenzene	12.575	95	30961	25.239	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 50.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	47218	51.218	ug/l	97
3) Chloromethane	2.152	50	83400	66.368	ug/l	96
4) Vinyl Chloride	2.287	62	121150	71.017	ug/l	99
5) Bromomethane	2.699	94	88956	92.929	ug/l	99
6) Chloroethane	2.840	64	90477	77.793	ug/l	97
7) Trichlorofluoromethane	3.181	101	86118	54.812	ug/l	97
8) Diethyl Ether	3.593	74	30533	69.207	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.969	101	34611	38.506	ug/l	99
10) Methyl Iodide	4.169	142	63871	76.888	ug/l	93
11) Tert butyl alcohol	5.052	59	14034	339.128	ug/l #	90
12) 1,1-Dichloroethene	3.952	96	54403	61.325	ug/l	92
13) Acrolein	3.805	56	11362	123.509	ug/l	99
14) Allyl chloride	4.563	41	74325	60.917	ug/l	92
15) Acrylonitrile	5.252	53	64329	340.553	ug/l	95
16) Acetone	4.022	43	70167	391.147	ug/l	89
17) Carbon Disulfide	4.275	76	156545	52.159	ug/l	98
18) Methyl Acetate	4.563	43	57365	83.757	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	137355	72.977	ug/l	99
20) Methylene Chloride	4.805	84	81500	82.259	ug/l	90
21) trans-1,2-Dichloroethene	5.322	96	65285	64.972	ug/l #	83
22) Diisopropyl ether	6.222	45	180979	70.981	ug/l	96
23) Vinyl Acetate	6.152	43	331980m	266.627	ug/l	
24) 1,1-Dichloroethane	6.116	63	124241	71.955	ug/l	98
25) 2-Butanone	7.087	43	82776	352.419	ug/l	89
26) 2,2-Dichloropropane	7.081	77	85585	59.037	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	79286	73.331	ug/l	92
28) Bromochloromethane	7.434	49	51153	73.316	ug/l #	79
29) Tetrahydrofuran	7.446	42	44976	324.775	ug/l	92
30) Chloroform	7.599	83	126241	73.053	ug/l	99
31) Cyclohexane	7.881	56	35490	22.944	ug/l	88
32) 1,1,1-Trichloroethane	7.799	97	85483	56.114	ug/l	99
36) 1,1-Dichloropropene	8.016	75	66777	40.751	ug/l	94
37) Ethyl Acetate	7.175	43	30958	48.452	ug/l	97
38) Carbon Tetrachloride	7.993	117	62542	38.284	ug/l	96
39) Methylcyclohexane	9.275	83	26997	13.897	ug/l	95
40) Benzene	8.252	78	249829	53.717	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	15418m	47.476	ug/l	
42) 1,2-Dichloroethane	8.328	62	74315	61.644	ug/l	94
43) Isopropyl Acetate	8.357	43	63546	55.948	ug/l	93
44) Trichloroethene	9.028	130	54097	44.635	ug/l	98
45) 1,2-Dichloropropane	9.304	63	65177	57.648	ug/l	95
46) Dibromomethane	9.393	93	36376	60.808	ug/l	94
47) Bromodichloromethane	9.587	83	90292	59.549	ug/l	93
48) Methyl methacrylate	9.381	41	35529	55.029	ug/l	81
49) 1,4-Dioxane	9.381	88	7490	1260.922	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	161762	279.059	ug/l	92
52) Toluene	10.334	92	116851	40.504	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	79940	54.901	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	100915	57.323	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	48820	59.663	ug/l #	89
56) Ethyl methacrylate	10.598	69	41842	58.007	ug/l	90
57) 1,3-Dichloropropane	10.881	76	81294	57.636	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	92133	223.974	ug/l	94
59) 2-Hexanone	10.922	43	111442	231.726	ug/l	93
60) Dibromochloromethane	11.075	129	55987	56.830	ug/l	98
61) 1,2-Dibromoethane	11.181	107	44168	57.342	ug/l	99
64) Tetrachloroethene	10.810	164	23988	35.985	ug/l	94
65) Chlorobenzene	11.610	112	104764	48.963	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	45745	60.654	ug/l	96
67) Ethyl Benzene	11.681	91	136615	36.180	ug/l	97
68) m/p-Xylenes	11.793	106	97770	67.693	ug/l	92
69) o-Xylene	12.122	106	45439	34.136	ug/l	87
70) Styrene	12.134	104	82884	41.875	ug/l	97
71) Bromoform	12.298	173	26767	67.924	ug/l #	100
73) Isopropylbenzene	12.422	105	80891	50.463	ug/l	96
74) N-amyl acetate	12.234	43	37108	117.766	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	46478	166.290	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	31179m	169.738	ug/l	
77) Bromobenzene	12.698	156	31837	84.439	ug/l	80
78) n-propylbenzene	12.763	91	83826	42.915	ug/l	96
79) 2-Chlorotoluene	12.845	91	57397	54.832	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	51020	38.162	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	14619	161.246	ug/l	90
82) 4-Chlorotoluene	12.951	91	62204	56.842	ug/l	92
83) tert-Butylbenzene	13.169	119	37787	33.479	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	51743	38.695	ug/l	96
85) sec-Butylbenzene	13.345	105	49101	29.430	ug/l	97
86) p-Isopropyltoluene	13.463	119	40773	27.296	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	33530	43.486	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	35315	45.750	ug/l	94
89) n-Butylbenzene	13.787	91	33996	24.187	ug/l	97
90) Hexachloroethane	14.057	117	8239	29.992	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	30583	46.638	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4526	113.022	ug/l	97
93) 1,2,4-Trichlorobenzene	15.092	180	7020	15.672	ug/l	87
94) Hexachlorobutadiene	15.210	225	2549	10.553	ug/l	89
95) Naphthalene	15.328	128	24498	32.918	ug/l	95
96) 1,2,3-Trichlorobenzene	15.516	180	5326	14.423	ug/l	96

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

