

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032824\
 Data File : VD078769.D
 Acq On : 28 Mar 2024 12:48
 Operator : RP/MD
 Sample : VD0328SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/29/2024
 Supervised By :Semsettin Yesilyurt 03/29/2024

Quant Time: Mar 29 01:32:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	108058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	182591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	171909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	46604	46.020	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.040%		
35) Dibromofluoromethane	7.810	113	55475	47.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.380%		
50) Toluene-d8	10.269	98	196849	45.530	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.060%		
62) 4-Bromofluorobenzene	12.574	95	59170	46.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	18628	18.522	ug/l	98
3) Chloromethane	2.151	50	25723	16.199	ug/l	89
4) Vinyl Chloride	2.287	62	40155	17.142	ug/l #	86
5) Bromomethane	2.693	94	37962	16.926	ug/l	91
6) Chloroethane	2.840	64	34821	19.061	ug/l #	88
7) Trichlorofluoromethane	3.181	101	37756	20.373	ug/l	97
8) Diethyl Ether	3.593	74	10673	19.725	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.975	101	25599	22.010	ug/l	97
10) Methyl Iodide	4.163	142	23782	17.287	ug/l	96
11) Tert butyl alcohol	5.069	59	5755m	126.986	ug/l	
12) 1,1-Dichloroethene	3.940	96	20045	18.130	ug/l #	88
13) Acrolein	3.804	56	6401	90.163	ug/l	100
14) Allyl chloride	4.563	41	23993	19.449	ug/l	97
15) Acrylonitrile	5.257	53	24247	111.164	ug/l	97
16) Acetone	4.028	43	23662	120.832	ug/l	91
17) Carbon Disulfide	4.275	76	49720	13.718	ug/l	97
18) Methyl Acetate	4.575	43	8385	19.952	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	46970	21.066	ug/l	97
20) Methylene Chloride	4.810	84	36233	24.672	ug/l #	86
21) trans-1,2-Dichloroethene	5.322	96	25811	19.785	ug/l	87
22) Diisopropyl ether	6.216	45	60434	21.546	ug/l	99
23) Vinyl Acetate	6.157	43	175150	106.756	ug/l	98
24) 1,1-Dichloroethane	6.116	63	44668	21.241	ug/l	97
25) 2-Butanone	7.087	43	29997	115.217	ug/l	92
26) 2,2-Dichloropropane	7.075	77	38308	21.531	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	29346	19.722	ug/l	97
28) Bromochloromethane	7.434	49	16230	21.648	ug/l	92
29) Tetrahydrofuran	7.451	42	15622	110.320	ug/l	96
30) Chloroform	7.598	83	50258	21.435	ug/l	92
31) Cyclohexane	7.881	56	28926	16.994	ug/l #	94
32) 1,1,1-Trichloroethane	7.792	97	41364	20.793	ug/l	97
36) 1,1-Dichloropropene	8.016	75	32372	18.978	ug/l	99
37) Ethyl Acetate	7.169	43	11081	19.886	ug/l #	91
38) Carbon Tetrachloride	7.998	117	37300	20.743	ug/l	87
39) Methylcyclohexane	9.275	83	35209	17.794	ug/l	97
40) Benzene	8.251	78	101581	19.701	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	6328m	21.670	ug/l	
42) 1,2-Dichloroethane	8.328	62	27544	21.905	ug/l	98
43) Isopropyl Acetate	8.363	43	21426	21.143	ug/l	98
44) Trichloroethene	9.028	130	28159	20.124	ug/l	94
45) 1,2-Dichloropropane	9.304	63	25654	20.974	ug/l #	88
46) Dibromomethane	9.392	93	15648	21.342	ug/l	97
47) Bromodichloromethane	9.586	83	38927	22.301	ug/l	94
48) Methyl methacrylate	9.380	41	9657	19.557	ug/l	97
49) 1,4-Dioxane	9.380	88	2877	423.784	ug/l #	88
51) 4-Methyl-2-Pentanone	10.163	43	60644	114.466	ug/l	97
52) Toluene	10.333	92	64934	19.561	ug/l	93
53) t-1,3-Dichloropropene	10.551	75	34245	21.458	ug/l	95
54) cis-1,3-Dichloropropene	10.022	75	40265	20.987	ug/l	94
55) 1,1,2-Trichloroethane	10.733	97	22065	22.472	ug/l #	91
56) Ethyl methacrylate	10.598	69	20910	21.243	ug/l	95
57) 1,3-Dichloropropane	10.875	76	33429	21.100	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	46110	106.240	ug/l	97
59) 2-Hexanone	10.922	43	45554	115.989	ug/l	98
60) Dibromochloromethane	11.075	129	26208	21.644	ug/l	100
61) 1,2-Dibromoethane	11.180	107	20471	21.544	ug/l	99
64) Tetrachloroethene	10.810	164	23509	20.665	ug/l	94
65) Chlorobenzene	11.610	112	74961	20.867	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.680	131	29733	22.600	ug/l	96
67) Ethyl Benzene	11.686	91	121515	19.850	ug/l	98
68) m/p-Xylenes	11.792	106	99927	40.199	ug/l	98
69) o-Xylene	12.122	106	46781	20.340	ug/l	95
70) Styrene	12.139	104	81018	20.987	ug/l	98
71) Bromoform	12.298	173	16230	22.827	ug/l #	91
73) Isopropylbenzene	12.422	105	119750	19.927	ug/l	98
74) N-amyl acetate	12.233	43	21501	22.037	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.674	83	24863	22.350	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	16941m	24.091	ug/l	
77) Bromobenzene	12.698	156	30298	20.330	ug/l	97
78) n-propylbenzene	12.763	91	153189	20.942	ug/l	97
79) 2-Chlorotoluene	12.845	91	80276	20.005	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	100670	20.258	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.474	75	7424	22.130	ug/l	96
82) 4-Chlorotoluene	12.945	91	88900	20.945	ug/l	99
83) tert-Butylbenzene	13.169	119	88057	20.550	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	102583	20.484	ug/l	99
85) sec-Butylbenzene	13.345	105	137707	21.236	ug/l	99
86) p-Isopropyltoluene	13.463	119	114098	20.554	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	65747	20.906	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	66227	21.368	ug/l	99
89) n-Butylbenzene	13.786	91	105753	21.094	ug/l	98
90) Hexachloroethane	14.051	117	24143	21.019	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	55675	20.555	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3022	20.307	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	31652	20.023	ug/l	100
94) Hexachlorobutadiene	15.204	225	18289	21.371	ug/l	97
95) Naphthalene	15.333	128	57565	20.945	ug/l	98
96) 1,2,3-Trichlorobenzene	15.521	180	28062	20.520	ug/l	94

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

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