

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021924\
 Data File : VD078471.D
 Acq On : 19 Feb 2024 18:41
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 19 23:51:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/20/2024
 Supervised By :Semsettin Yesilyurt 02/20/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	124978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	218101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	215332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	108762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	72200	53.429	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.860%			
35) Dibromofluoromethane	7.805	113	78892	56.945	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.880%			
50) Toluene-d8	10.269	98	296178	53.442	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.880%			
62) 4-Bromofluorobenzene	12.569	95	89636	55.579	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.160%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	54845	44.539	ug/l	93
3) Chloromethane	2.152	50	111876	49.437	ug/l	98
4) Vinyl Chloride	2.281	62	162370	47.020	ug/l	99
5) Bromomethane	2.687	94	112435	47.171	ug/l	98
6) Chloroethane	2.828	64	117362	46.608	ug/l	99
7) Trichlorofluoromethane	3.170	101	99502	42.715	ug/l	96
8) Diethyl Ether	3.599	74	33601	50.079	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.964	101	60383	41.090	ug/l	98
10) Methyl Iodide	4.164	142	63583	48.308	ug/l	91
11) Tert butyl alcohol	5.064	59	20118	275.257	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	60535	44.432	ug/l	93
13) Acrolein	3.793	56	29232	234.158	ug/l	100
14) Allyl chloride	4.564	41	73008	43.377	ug/l	93
15) Acrylonitrile	5.258	53	72159	251.229	ug/l	99
16) Acetone	4.028	43	57365	216.405	ug/l	90
17) Carbon Disulfide	4.269	76	183224	39.967	ug/l	99
18) Methyl Acetate	4.564	43	59074	59.330	ug/l	93
19) Methyl tert-butyl Ether	5.316	73	148466	51.290	ug/l	99
20) Methylene Chloride	4.799	84	82664	54.265	ug/l #	86
21) trans-1,2-Dichloroethene	5.311	96	73383	45.785	ug/l	98
22) Diisopropyl ether	6.216	45	174873	47.140	ug/l	98
23) Vinyl Acetate	6.158	43	358193m	234.734	ug/l	
24) 1,1-Dichloroethane	6.111	63	119889	45.621	ug/l	95
25) 2-Butanone	7.081	43	86482	252.770	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	93613	42.493	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	84032	47.787	ug/l	99
28) Bromochloromethane	7.428	49	57772	55.504	ug/l	84
29) Tetrahydrofuran	7.446	42	52828	262.875	ug/l	93
30) Chloroform	7.593	83	131006	47.117	ug/l	100
31) Cyclohexane	7.875	56	88608	38.763	ug/l	98
32) 1,1,1-Trichloroethane	7.799	97	105441	44.478	ug/l	99
36) 1,1-Dichloropropene	8.010	75	93354	43.376	ug/l	97
37) Ethyl Acetate	7.163	43	35038	46.442	ug/l	99
38) Carbon Tetrachloride	7.993	117	94016	44.110	ug/l	96
39) Methylcyclohexane	9.269	83	106205	41.567	ug/l	96
40) Benzene	8.252	78	286458	46.048	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	19586	49.883	ug/l #	91
42) 1,2-Dichloroethane	8.322	62	78067	48.500	ug/l	96
43) Isopropyl Acetate	8.363	43	69491	49.741	ug/l	93
44) Trichloroethene	9.028	130	75273	47.430	ug/l	93
45) 1,2-Dichloropropane	9.305	63	73672	48.268	ug/l	99
46) Dibromomethane	9.393	93	43479	50.645	ug/l	93
47) Bromodichloromethane	9.587	83	101200	47.592	ug/l #	97
48) Methyl methacrylate	9.375	41	40986	55.298	ug/l	86
49) 1,4-Dioxane	9.393	88	10533	1132.913	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	186573	251.621	ug/l	94
52) Toluene	10.334	92	187832	47.746	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	93768	48.328	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	114137	48.513	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	60086	51.971	ug/l	94
56) Ethyl methacrylate	10.599	69	49654	46.437	ug/l #	92
57) 1,3-Dichloropropane	10.881	76	98008	49.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	158707	251.979	ug/l	95
59) 2-Hexanone	10.922	43	133969	240.418	ug/l	91
60) Dibromochloromethane	11.075	129	71447	51.362	ug/l	95
61) 1,2-Dibromoethane	11.175	107	56710	52.248	ug/l	99
64) Tetrachloroethene	10.810	164	60859	44.746	ug/l	93
65) Chlorobenzene	11.604	112	199979	46.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	75031	47.163	ug/l	95
67) Ethyl Benzene	11.681	91	349475	45.056	ug/l	96
68) m/p-Xylenes	11.793	106	277043	91.568	ug/l	94
69) o-Xylene	12.122	106	128344	46.484	ug/l	94
70) Styrene	12.134	104	200328	44.457	ug/l	98
71) Bromoform	12.298	173	41492	49.551	ug/l #	99
73) Isopropylbenzene	12.422	105	324294	44.404	ug/l	97
74) N-amyl acetate	12.234	43	62103	44.949	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	69712	48.120	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	41522m	44.969	ug/l	
77) Bromobenzene	12.698	156	84204	49.059	ug/l	94
78) n-propylbenzene	12.763	91	402258	44.198	ug/l	96
79) 2-Chlorotoluene	12.845	91	216044	44.320	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	272975	45.013	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	20808	46.783	ug/l	98
82) 4-Chlorotoluene	12.945	91	229458	43.828	ug/l	97
83) tert-Butylbenzene	13.163	119	226280	44.244	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	284808	46.275	ug/l	96
85) sec-Butylbenzene	13.345	105	339564	42.811	ug/l	96
86) p-Isopropyltoluene	13.457	119	304952	45.139	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	168631	46.033	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	165289	45.921	ug/l	99
89) n-Butylbenzene	13.787	91	283323	43.510	ug/l	97
90) Hexachloroethane	14.051	117	62358	44.909	ug/l	91
91) 1,2-Dichlorobenzene	13.828	146	146932	47.765	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	9300	49.026	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	85752	47.433	ug/l	99
94) Hexachlorobutadiene	15.204	225	41304	43.771	ug/l	99
95) Naphthalene	15.328	128	172195	51.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	77455	50.553	ug/l	97

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

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