

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072224\
 Data File : VD079386.D
 Acq On : 22 Jul 2024 12:47
 Operator : RP/MD
 Sample : VSTDIC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/23/2024
 Supervised By :Semsettin Yesilyurt 07/23/2024

Quant Time: Jul 23 02:16:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:55:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	172491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	331100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	290676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	134922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	10963	5.546	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.100%#		
35) Dibromofluoromethane	7.805	113	11294	4.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.880%#		
50) Toluene-d8	10.269	98	41765	4.774	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.540%#		
62) 4-Bromofluorobenzene	12.569	95	12702	4.745	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.480%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	9964	3.403	ug/l	95
3) Chloromethane	2.146	50	9165	5.687	ug/l	97
4) Vinyl Chloride	2.281	62	11866	5.456	ug/l	97
5) Bromomethane	2.687	94	6314	4.897	ug/l	89
6) Chloroethane	2.834	64	4079	4.749	ug/l	93
7) Trichlorofluoromethane	3.164	101	16938	5.546	ug/l	90
8) Diethyl Ether	3.587	74	4563	4.678	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.964	101	11419m	5.473	ug/l	
10) Methyl Iodide	4.164	142	10447	4.506	ug/l	98
11) Tert butyl alcohol	5.052	59	2748m	23.412	ug/l	
12) 1,1-Dichloroethene	3.940	96	10363	5.250	ug/l	87
13) Acrolein	3.805	56	2113	6.678	ug/l	89
14) Allyl chloride	4.558	41	10149	6.091	ug/l #	70
15) Acrylonitrile	5.252	53	10618	22.690	ug/l	92
16) Acetone	4.028	43	7205	29.735	ug/l #	85
17) Carbon Disulfide	4.258	76	29832	5.147	ug/l	98
18) Methyl Acetate	4.558	43	5018	4.498	ug/l	93
19) Methyl tert-butyl Ether	5.311	73	19024	4.310	ug/l #	90
21) trans-1,2-Dichloroethene	5.305	96	11597	5.229	ug/l	96
22) Diisopropyl ether	6.216	45	26761	4.552	ug/l #	93
23) Vinyl Acetate	6.152	43	101560	22.352	ug/l	93
24) 1,1-Dichloroethane	6.116	63	20540	5.187	ug/l	92
25) 2-Butanone	7.087	43	14717	25.465	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	18234	5.456	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	13039	5.044	ug/l	88
28) Bromochloromethane	7.428	49	8428	5.212	ug/l #	77
29) Tetrahydrofuran	7.440	42	8614	24.361	ug/l #	80
30) Chloroform	7.593	83	21961	5.249	ug/l	100
31) Cyclohexane	7.875	56	18214	5.855	ug/l #	79
32) 1,1,1-Trichloroethane	7.787	97	18122	5.292	ug/l	98
36) 1,1-Dichloropropene	7.999	75	14845	4.891	ug/l	93
37) Ethyl Acetate	7.158	43	6485	4.894	ug/l #	67
38) Carbon Tetrachloride	7.987	117	15728	4.936	ug/l	96
39) Methylcyclohexane	9.269	83	17846	4.977	ug/l #	85
40) Benzene	8.252	78	44903	4.737	ug/l #	90
41) Methacrylonitrile	7.399	41	3156	4.307	ug/l #	62

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.322	62	11517	4.871	ug/l	99
43) Isopropyl Acetate	8.357	43	11692	4.721	ug/l #	83
44) Trichloroethene	9.028	130	11692	5.047	ug/l	98
45) 1,2-Dichloropropane	9.310	63	10916	4.604	ug/l	95
46) Dibromomethane	9.393	93	6257	4.567	ug/l	91
47) Bromodichloromethane	9.581	83	16139	4.732	ug/l #	89
48) Methyl methacrylate	9.381	41	5349	4.794	ug/l	81
49) 1,4-Dioxane	9.375	88	1288	85.533	ug/l #	63
51) 4-Methyl-2-Pentanone	10.157	43	27718	21.117	ug/l	97
52) Toluene	10.328	92	26977	4.525	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	13613	4.426	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	16718	4.579	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	9111	4.895	ug/l	92
56) Ethyl methacrylate	10.593	69	9187	4.079	ug/l	96
57) 1,3-Dichloropropane	10.875	76	13473	4.407	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.863	63	20007	19.940	ug/l	90
59) 2-Hexanone	10.916	43	18706	20.218	ug/l	96
60) Dibromochloromethane	11.075	129	10594	4.496	ug/l	91
61) 1,2-Dibromoethane	11.175	107	8623	4.973	ug/l	98
64) Tetrachloroethene	10.804	164	10389	5.721	ug/l	88
65) Chlorobenzene	11.604	112	32520	5.173	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.675	131	11267	5.225	ug/l	97
67) Ethyl Benzene	11.681	91	48807	4.640	ug/l	97
68) m/p-Xylenes	11.793	106	37503	9.145	ug/l	94
69) o-Xylene	12.116	106	16492	4.381	ug/l	90
70) Styrene	12.134	104	28454	4.236	ug/l	96
71) Bromoform	12.293	173	6077	4.859	ug/l #	94
73) Isopropylbenzene	12.416	105	42885	4.576	ug/l	98
74) N-amyl acetate	12.234	43	9135	4.325	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	10476	5.147	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	7614m	5.427	ug/l	
77) Bromobenzene	12.698	156	10833	4.816	ug/l	79
78) n-propylbenzene	12.757	91	55629	4.730	ug/l	95
79) 2-Chlorotoluene	12.845	91	33089	4.921	ug/l	92
80) 1,3,5-Trimethylbenzene	12.898	105	35742	4.548	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	3547	4.931	ug/l	93
82) 4-Chlorotoluene	12.940	91	34829	4.886	ug/l	92
83) tert-Butylbenzene	13.163	119	30496	4.566	ug/l	89
84) 1,2,4-Trimethylbenzene	13.210	105	34752	4.364	ug/l	96
85) sec-Butylbenzene	13.340	105	49219	4.734	ug/l	100
86) p-Isopropyltoluene	13.457	119	38775	4.524	ug/l	96
87) 1,3-Dichlorobenzene	13.451	146	24117	5.110	ug/l	94
88) 1,4-Dichlorobenzene	13.534	146	25683	5.414	ug/l	93
89) n-Butylbenzene	13.787	91	37770	4.559	ug/l	95
90) Hexachloroethane	14.045	117	10797	5.614	ug/l	85
91) 1,2-Dichlorobenzene	13.828	146	20537	5.018	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.440	75	1607	5.589	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.092	180	12241	5.141	ug/l	96
94) Hexachlorobutadiene	15.198	225	7859	5.894	ug/l	88
95) Naphthalene	15.328	128	24020	5.000	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	11162	5.241	ug/l	94

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

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