

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083024\
 Data File : VD079747.D
 Acq On : 30 Aug 2024 10:36
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 09/03/2024
 Supervised By :Mahesh Dadoda 09/03/2024

Quant Time: Aug 30 14:29:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 13:02:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	119885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	243465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	220921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	103157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8258	5.052	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.100%#		
35) Dibromofluoromethane	7.805	113	8038	5.079	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.160%#		
50) Toluene-d8	10.269	98	30129	4.439	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.880%#		
62) 4-Bromofluorobenzene	12.575	95	8848	4.659	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	9.320%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	8025	5.575	ug/l	90
3) Chloromethane	2.146	50	16186	5.397	ug/l	92
4) Vinyl Chloride	2.287	62	19312	5.345	ug/l	96
5) Bromomethane	2.693	94	13792	5.515	ug/l	93
6) Chloroethane	2.840	64	12528	5.115	ug/l	94
7) Trichlorofluoromethane	3.175	101	15032	5.512	ug/l	98
8) Diethyl Ether	3.593	74	4253	4.915	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.964	101	8979	5.880	ug/l	90
10) Methyl Iodide	4.164	142	7047	4.005	ug/l #	96
11) Tert butyl alcohol	5.058	59	2070m	25.330	ug/l	
12) 1,1-Dichloroethene	3.940	96	8098	5.051	ug/l	93
13) Acrolein	3.787	56	3882	24.701	ug/l	89
14) Allyl chloride	4.564	41	10159	4.301	ug/l #	90
15) Acrylonitrile	5.252	53	9494	24.334	ug/l	96
16) Acetone	4.022	43	8467	24.961	ug/l	93
17) Carbon Disulfide	4.264	76	30073	5.130	ug/l	99
18) Methyl Acetate	4.569	43	5015	5.158	ug/l #	77
19) Methyl tert-butyl Ether	5.305	73	16125	4.596	ug/l #	81
20) Methylene Chloride	4.799	84	17564	6.353	ug/l #	85
21) trans-1,2-Dichloroethene	5.311	96	8611	4.839	ug/l	93
22) Diisopropyl ether	6.228	45	19194	3.861	ug/l #	89
23) Vinyl Acetate	6.158	43	56752	24.293	ug/l	96
24) 1,1-Dichloroethane	6.099	63	16315	5.019	ug/l	94
25) 2-Butanone	7.081	43	10348	22.866	ug/l	92
26) 2,2-Dichloropropane	7.075	77	12367	4.890	ug/l	98
27) cis-1,2-Dichloroethene	7.087	96	9705	4.756	ug/l	87
28) Bromochloromethane	7.422	49	7155	4.952	ug/l #	68
29) Tetrahydrofuran	7.452	42	6232	22.264	ug/l #	85
30) Chloroform	7.599	83	16324	5.059	ug/l	94
31) Cyclohexane	7.875	56	15068	5.514	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	14155	5.267	ug/l	97
36) 1,1-Dichloropropene	8.005	75	10355	4.415	ug/l	95
37) Ethyl Acetate	7.158	43	4928	4.754	ug/l #	70
38) Carbon Tetrachloride	7.993	117	13122	5.246	ug/l	91
39) Methylcyclohexane	9.275	83	13538	4.740	ug/l #	81
40) Benzene	8.252	78	35773	4.573	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	2754m	4.643	ug/l	
42) 1,2-Dichloroethane	8.328	62	8771	4.572	ug/l	99
43) Isopropyl Acetate	8.352	43	8377	4.332	ug/l #	80
44) Trichloroethene	9.022	130	8671	5.194	ug/l	97
45) 1,2-Dichloropropane	9.305	63	8352	4.423	ug/l #	86
46) Dibromomethane	9.393	93	5093	5.099	ug/l #	84
47) Bromodichloromethane	9.587	83	12359	4.954	ug/l #	98
48) Methyl methacrylate	9.381	41	4083	4.375	ug/l #	73
49) 1,4-Dioxane	9.387	88	932	92.867	ug/l #	80
51) 4-Methyl-2-Pentanone	10.157	43	21305	21.092	ug/l	95
52) Toluene	10.328	92	19988	4.225	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	10237	4.353	ug/l #	83
54) cis-1,3-Dichloropropene	10.016	75	12138	4.333	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	6585	5.039	ug/l #	89
56) Ethyl methacrylate	10.593	69	6856	4.187	ug/l #	86
57) 1,3-Dichloropropane	10.881	76	11538	4.898	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.869	63	15682	22.099	ug/l	90
59) 2-Hexanone	10.916	43	14160	36.910	ug/l	90
60) Dibromochloromethane	11.075	129	7747	4.820	ug/l	98
61) 1,2-Dibromoethane	11.181	107	5163	4.508	ug/l	85
64) Tetrachloroethene	10.810	164	6563	5.057	ug/l	87
65) Chlorobenzene	11.604	112	23458	4.786	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	7808	4.849	ug/l	98
67) Ethyl Benzene	11.681	91	37476	4.337	ug/l	91
68) m/p-Xylenes	11.787	106	27198	8.199	ug/l	89
69) o-Xylene	12.122	106	12800	4.140	ug/l	87
70) Styrene	12.134	104	21028	3.897	ug/l	93
71) Bromoform	12.298	173	4140	5.127	ug/l #	91
73) Isopropylbenzene	12.416	105	32650	4.447	ug/l	98
74) N-amyl acetate	12.228	43	7712	4.420	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.675	83	7112	5.046	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	4752m	5.168	ug/l	
77) Bromobenzene	12.698	156	8072	4.940	ug/l	81
78) n-propylbenzene	12.757	91	38039	4.193	ug/l	96
79) 2-Chlorotoluene	12.845	91	22214	4.395	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	27083	4.437	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.463	75	2669	5.049	ug/l	98
82) 4-Chlorotoluene	12.945	91	22495	4.273	ug/l	99
83) tert-Butylbenzene	13.163	119	20919	4.124	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	26105	4.146	ug/l	97
85) sec-Butylbenzene	13.340	105	31846	4.107	ug/l	100
86) p-Isopropyltoluene	13.457	119	26499	7.049	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	17277	4.925	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	18545	5.287	ug/l	92
89) n-Butylbenzene	13.787	91	26061	4.195	ug/l	98
90) Hexachloroethane	14.051	117	6357	4.848	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	15004	4.995	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1233	5.992	ug/l	61
93) 1,2,4-Trichlorobenzene	15.092	180	7625	4.621	ug/l	98
94) Hexachlorobutadiene	15.204	225	3854	4.857	ug/l	96
95) Naphthalene	15.328	128	15836	4.730	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.516	180	6819	4.730	ug/l	95

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

