

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD076994.D
 Acq On : 14 Aug 2023 12:02
 Operator : JC/SY
 Sample : VD0814SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/15/2023
 Supervised By :Mahesh Dadoda 08/15/2023

Quant Time: Aug 14 12:45:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	200404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	341252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	321605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	157208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	67248	42.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.080%		
35) Dibromofluoromethane	7.805	113	85666	46.694	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.380%		
50) Toluene-d8	10.269	98	262245	44.504	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.000%		
62) 4-Bromofluorobenzene	12.575	95	91185	44.265	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.540%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	21879	19.120	ug/l	100
3) Chloromethane	2.146	50	24440	14.377	ug/l	89
4) Vinyl Chloride	2.276	62	39332	15.701	ug/l	96
5) Bromomethane	2.676	94	34732	15.330	ug/l	100
6) Chloroethane	2.828	64	30805	14.968	ug/l	96
7) Trichlorofluoromethane	3.170	101	49799	18.249	ug/l	95
8) Diethyl Ether	3.587	74	14122	16.083	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.958	101	33601	17.980	ug/l	97
10) Methyl Iodide	4.152	142	28645	15.916	ug/l	93
11) Tert butyl alcohol	5.052	59	10868m	87.296	ug/l	
12) 1,1-Dichloroethene	3.934	96	25410	16.568	ug/l	92
13) Acrolein	3.781	56	5947	140.973	ug/l	99
14) Allyl chloride	4.558	41	29658	15.745	ug/l	89
15) Acrylonitrile	5.258	53	37968	86.958	ug/l	99
16) Acetone	4.022	43	34180	91.998	ug/l #	86
17) Carbon Disulfide	4.264	76	33626	12.952	ug/l	97
18) Methyl Acetate	4.570	43	25128	17.022	ug/l	93
19) Methyl tert-butyl Ether	5.317	73	74645	17.242	ug/l	99
20) Methylene Chloride	4.799	84	49124	11.329	ug/l	98
21) trans-1,2-Dichloroethene	5.305	96	28317	16.163	ug/l	91
22) Diisopropyl ether	6.211	45	82790	16.825	ug/l #	94
23) Vinyl Acetate	6.158	43	186777	80.932	ug/l	95
24) 1,1-Dichloroethane	6.111	63	58260	16.565	ug/l	97
25) 2-Butanone	7.081	43	46387	87.722	ug/l	88
26) 2,2-Dichloropropane	7.069	77	55191	17.283	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	38786	16.134	ug/l	93
28) Bromochloromethane	7.422	49	30857	18.357	ug/l	100
29) Tetrahydrofuran	7.446	42	23748	80.424	ug/l	98
30) Chloroform	7.593	83	70392	17.543	ug/l	93
31) Cyclohexane	7.875	56	33952	15.609	ug/l #	93
32) 1,1,1-Trichloroethane	7.793	97	58715	17.829	ug/l	99
36) 1,1-Dichloropropene	8.005	75	39563	17.439	ug/l	97
37) Ethyl Acetate	7.169	43	16181	15.457	ug/l #	75
38) Carbon Tetrachloride	7.993	117	47150	19.418	ug/l	98
39) Methylcyclohexane	9.269	83	40065	16.669	ug/l	93
40) Benzene	8.252	78	127204	17.438	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	10278	18.195	ug/l	97
42) 1,2-Dichloroethane	8.328	62	37791	19.219	ug/l	96
43) Isopropyl Acetate	8.363	43	35104	17.845	ug/l	94
44) Trichloroethene	9.028	130	36923	18.333	ug/l	89
45) 1,2-Dichloropropane	9.305	63	35798	18.210	ug/l	97
46) Dibromomethane	9.393	93	21244	18.085	ug/l	92
47) Bromodichloromethane	9.587	83	58315	19.352	ug/l	91
48) Methyl methacrylate	9.381	41	16218	18.748	ug/l #	81
49) 1,4-Dioxane	9.381	88	4849	353.164	ug/l #	90
51) 4-Methyl-2-Pentanone	10.157	43	95008	87.496	ug/l	93
52) Toluene	10.334	92	85134	17.770	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	48201	18.335	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	54165	17.765	ug/l #	90
55) 1,1,2-Trichloroethane	10.728	97	32865	18.852	ug/l	95
56) Ethyl methacrylate	10.599	69	31324	17.336	ug/l	90
57) 1,3-Dichloropropane	10.881	76	51702	19.090	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	63554	93.568	ug/l	100
59) 2-Hexanone	10.922	43	70049	94.770	ug/l	90
60) Dibromochloromethane	11.075	129	40606	19.314	ug/l	98
61) 1,2-Dibromoethane	11.181	107	28101	18.127	ug/l	99
64) Tetrachloroethene	10.804	164	30638	18.925	ug/l	98
65) Chlorobenzene	11.610	112	105547	18.551	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	43057	19.178	ug/l	95
67) Ethyl Benzene	11.687	91	169990	17.709	ug/l	97
68) m/p-Xylenes	11.793	106	135098	36.237	ug/l	94
69) o-Xylene	12.122	106	62157	17.385	ug/l	93
70) Styrene	12.134	104	115909	18.185	ug/l	97
71) Bromoform	12.299	173	23904	19.205	ug/l #	99
73) Isopropylbenzene	12.422	105	178357	18.029	ug/l	97
74) N-amyl acetate	12.234	43	33068	16.778	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	39871	18.291	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	24431m	16.566	ug/l	
77) Bromobenzene	12.698	156	44294	18.401	ug/l	92
78) n-propylbenzene	12.763	91	218692	18.173	ug/l	97
79) 2-Chlorotoluene	12.846	91	117329	17.734	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	147988	18.430	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	10565	16.831	ug/l	96
82) 4-Chlorotoluene	12.946	91	126138	18.216	ug/l	98
83) tert-Butylbenzene	13.169	119	137016	18.608	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	148067	18.096	ug/l	96
85) sec-Butylbenzene	13.346	105	210939	18.964	ug/l	97
86) p-Isopropyltoluene	13.463	119	171639	18.682	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	94608	18.947	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	95537	19.191	ug/l	99
89) n-Butylbenzene	13.787	91	161164	18.416	ug/l	99
90) Hexachloroethane	14.051	117	35647	19.201	ug/l	91
91) 1,2-Dichlorobenzene	13.828	146	81818	18.430	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5498	18.550	ug/l	95
93) 1,2,4-Trichlorobenzene	15.104	180	51303	18.684	ug/l	98
94) Hexachlorobutadiene	15.204	225	26819	19.524	ug/l	96
95) Naphthalene	15.334	128	98012	17.551	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	46758	19.100	ug/l	97

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

