

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067254.D
 Acq On : 13 Oct 2020 16:09
 Operator : VA/SY
 Sample : L4214-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:26 PM

Quant Time: Oct 14 03:27:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:18:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	330716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	531106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	496791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	178389	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
35) Dibromofluoromethane	7.92	113	184246	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.34	98	662098	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.64	95	232167	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	14483	4.828	ug/l	99
3) Chloromethane	2.21	50	10235	4.917	ug/l	91
4) Vinyl Chloride	2.34	62	10788	4.724	ug/l	91
5) Bromomethane	2.77	94	9421	5.336	ug/l #	77
6) Chloroethane	2.92	64	6739	4.738	ug/l	92
7) Trichlorofluoromethane	3.27	101	25371	4.412	ug/l	94
8) Diethyl Ether	3.70	74	5641	4.287	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	4.09	101	14189	4.644	ug/l	94
10) Methyl Iodide	4.31	142	11991	4.255	ug/l #	96
11) Tert butyl alcohol	5.18	59	11013m	45.769	ug/l	
12) 1,1-Dichloroethene	4.07	96	12821	4.697	ug/l	85
13) Acrolein	3.92	56	3276	19.108	ug/l	90
14) Allyl chloride	4.72	41	12959	4.146	ug/l #	71
15) Acrylonitrile	5.44	53	9761m	22.231	ug/l	
16) Acetone	4.16	43	9870	21.270	ug/l #	86
17) Carbon Disulfide	4.41	76	35753	4.595	ug/l	96
18) Methyl Acetate	4.72	43	6174	5.833	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	22428	4.132	ug/l	100
20) Methylene Chloride	4.96	84	29010	8.291	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	14914	4.748	ug/l	94
22) Diisopropyl ether	6.36	45	23293	4.079	ug/l #	85
23) Vinyl Acetate	6.31	43	44506	13.700	ug/l	97
24) 1,1-Dichloroethane	6.26	63	22194	4.541	ug/l	98
25) 2-Butanone	7.21	43	11987	22.662	ug/l #	76
26) 2,2-Dichloropropane	7.20	77	22804	4.526	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	17358	5.042	ug/l	94
28) Bromochloromethane	7.56	49	7677	4.605	ug/l	99
29) Tetrahydrofuran	7.57	42	6283	21.369	ug/l #	84
30) Chloroform	7.71	83	27412	4.695	ug/l	97
31) Cyclohexane	7.99	56	21198	5.555	ug/l #	65
32) 1,1,1-Trichloroethane	7.90	97	26775	4.674	ug/l	100
36) 1,1-Dichloropropene	8.12	75	19031	4.228	ug/l	95
37) Ethyl Acetate	7.30	43	5727	4.324	ug/l #	68
38) Carbon Tetrachloride	8.10	117	24905	4.329	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	19414	4.125	ug/l	96
40) Benzene	8.36	78	57260	4.637	ug/l	97
41) Methacrylonitrile	7.54	41	3919	5.476	ug/l #	35
42) 1,2-Dichloroethane	8.43	62	16591	4.293	ug/l	96
43) Isopropyl Acetate	8.45	43	10109	3.847	ug/l #	87
44) Trichloroethene	9.11	130	17514	4.430	ug/l	97
45) 1,2-Dichloropropane	9.38	63	12112	4.232	ug/l	89
46) Dibromomethane	9.47	93	7488	4.199	ug/l	97
47) Bromodichloromethane	9.67	83	19949	4.176	ug/l #	88
48) Methyl methacrylate	9.46	41	5170	4.048	ug/l	92
49) 1,4-Dioxane	9.47	88	1652	88.017	ug/l #	76
51) 4-Methyl-2-Pentanone	10.23	43	25787	19.673	ug/l	96
52) Toluene	10.40	92	38713	4.603	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	16817	4.007	ug/l	88
54) cis-1,3-Dichloropropene	10.09	75	19453	3.961	ug/l	89
55) 1,1,2-Trichloroethane	10.80	97	10144	4.172	ug/l #	91
56) Ethyl methacrylate	10.66	69	9630	3.819	ug/l	95
57) 1,3-Dichloropropane	10.95	76	17023	4.399	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	25844	19.977	ug/l	100
59) 2-Hexanone	10.98	43	17433	19.463	ug/l	98
60) Dibromochloromethane	11.14	129	14088	3.973	ug/l	93
61) 1,2-Dibromoethane	11.25	107	10893	4.544	ug/l	92
64) Tetrachloroethene	10.88	164	17226	4.786	ug/l #	89
65) Chlorobenzene	11.67	112	42042	4.413	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	16325	4.312	ug/l	99
67) Ethyl Benzene	11.75	91	67366	4.125	ug/l	97
68) m/p-Xylenes	11.86	106	52052	8.277	ug/l	96
69) o-Xylene	12.18	106	22755	3.908	ug/l	93
70) Styrene	12.20	104	40131	4.003	ug/l	98
71) Bromoform	12.37	173	8839	4.345	ug/l #	94
73) Isopropylbenzene	12.48	105	61305	3.861	ug/l	96
74) N-amyl acetate	12.29	43	9806	4.089	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.74	83	10305	4.235	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	9620m	5.547	ug/l	
77) Bromobenzene	12.77	156	18020	4.552	ug/l	94
78) n-propylbenzene	12.83	91	76540	4.160	ug/l	98
79) 2-Chlorotoluene	12.91	91	44311	4.153	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	53464	3.874	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	2970m	3.884	ug/l	
82) 4-Chlorotoluene	13.01	91	46971	4.148	ug/l	98
83) tert-Butylbenzene	13.23	119	47931	4.112	ug/l	95
84) 1,2,4-Trimethylbenzene	13.28	105	51602	3.784	ug/l	99
85) sec-Butylbenzene	13.41	105	64043	4.004	ug/l	97
86) p-Isopropyltoluene	13.53	119	58411	3.869	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	33238	4.362	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	35517	4.705	ug/l	94
89) n-Butylbenzene	13.85	91	51371	3.868	ug/l	98
90) Hexachloroethane	14.12	117	10197	3.871	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	29485	4.429	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2121	4.798	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	18891	4.209	ug/l	92
94) Hexachlorobutadiene	15.28	225	12050	4.324	ug/l	92
95) Naphthalene	15.42	128	25612	3.476	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	16289	4.201	ug/l	93

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

