

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081220\
 Data File : VD066206.D
 Acq On : 12 Aug 2020 16:04
 Operator : VA/SY
 Sample : VD0812SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 4:21:04 PM

Quant Time: Aug 12 19:01:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	291817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	424618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	402847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211734	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	144783	55.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.22%	
35) Dibromofluoromethane	7.91	113	142009	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	
50) Toluene-d8	10.33	98	532163	53.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.63	95	191995	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	51384	19.986	ug/l	100
3) Chloromethane	2.20	50	31988	15.994	ug/l	92
4) Vinyl Chloride	2.34	62	30497	17.224	ug/l	96
5) Bromomethane	2.74	94	20509	17.458	ug/l	90
6) Chloroethane	2.91	64	18958	17.443	ug/l	91
7) Trichlorofluoromethane	3.26	101	84071	18.212	ug/l	93
8) Diethyl Ether	3.70	74	23794	18.268	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.07	101	48739	17.791	ug/l	99
10) Methyl Iodide	4.29	142	40833	20.885	ug/l	97
11) Tert butyl alcohol	5.21	59	27465m	121.798	ug/l	
12) 1,1-Dichloroethene	4.06	96	45202	17.491	ug/l	97
13) Acrolein	3.93	56	14996	72.364	ug/l	98
14) Allyl chloride	4.70	41	64025	16.353	ug/l	94
15) Acrylonitrile	5.42	53	51796	94.369	ug/l	98
16) Acetone	4.16	43	40665	82.320	ug/l	99
17) Carbon Disulfide	4.40	76	136634	16.628	ug/l	99
18) Methyl Acetate	4.72	43	23396	18.646	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	109298	18.452	ug/l	100
20) Methylene Chloride	4.95	84	61856	18.903	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	51841	17.462	ug/l	92
22) Diisopropyl ether	6.36	45	146722	18.950	ug/l	98
23) Vinyl Acetate	6.30	43	424470	93.581	ug/l	97
24) 1,1-Dichloroethane	6.26	63	86322	18.016	ug/l	97
25) 2-Butanone	7.21	43	66808	91.951	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	79510	18.514	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	58569	18.809	ug/l	99
28) Bromochloromethane	7.54	49	38992	23.169	ug/l	96
29) Tetrahydrofuran	7.56	42	43024	95.577	ug/l	98
30) Chloroform	7.70	83	97902	19.459	ug/l	97
31) Cyclohexane	7.98	56	80528	17.655	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	89582	18.990	ug/l	99
36) 1,1-Dichloropropene	8.11	75	73512	18.424	ug/l	98
37) Ethyl Acetate	7.29	43	29049	18.375	ug/l #	93
38) Carbon Tetrachloride	8.09	117	83111	18.678	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	85531	17.732	ug/l	93
40) Benzene	8.34	78	207491	18.745	ug/l	97
41) Methacrylonitrile	7.52	41	14830	15.954	ug/l #	59
42) 1,2-Dichloroethane	8.41	62	64820	19.934	ug/l	99
43) Isopropyl Acetate	8.44	43	60652	19.471	ug/l	98
44) Trichloroethene	9.11	130	64442	19.320	ug/l	93
45) 1,2-Dichloropropane	9.38	63	50579	18.683	ug/l	97
46) Dibromomethane	9.47	93	29327	19.667	ug/l	99
47) Bromodichloromethane	9.66	83	78041	19.802	ug/l	98
48) Methyl methacrylate	9.45	41	27905	17.544	ug/l #	86
49) 1,4-Dioxane	9.46	88	7405	386.526	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	154509	96.568	ug/l	98
52) Toluene	10.40	92	139588	19.165	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	71579	19.138	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	83586	19.074	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	41993	19.557	ug/l	95
56) Ethyl methacrylate	10.66	69	49629	19.240	ug/l	97
57) 1,3-Dichloropropane	10.94	76	70643	19.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	126389	108.931	ug/l	99
59) 2-Hexanone	10.98	43	108449	96.578	ug/l	98
60) Dibromochloromethane	11.14	129	59005	19.904	ug/l	100
61) 1,2-Dibromoethane	11.24	107	41066	19.887	ug/l	97
64) Tetrachloroethene	10.87	164	57535	18.599	ug/l	91
65) Chlorobenzene	11.67	112	154079	18.841	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	59395	18.562	ug/l	96
67) Ethyl Benzene	11.74	91	266810	18.827	ug/l	95
68) m/p-Xylenes	11.85	106	203989	37.152	ug/l	96
69) o-Xylene	12.18	106	94160	18.852	ug/l	97
70) Styrene	12.19	104	166310	19.000	ug/l	99
71) Bromoform	12.36	173	36779	19.400	ug/l #	98
73) Isopropylbenzene	12.48	105	258720	18.305	ug/l	99
74) N-amyl acetate	12.29	43	59474	19.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	45064	18.698	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	34492m	19.534	ug/l	
77) Bromobenzene	12.76	156	68577	18.849	ug/l	98
78) n-propylbenzene	12.82	91	301068	18.325	ug/l	99
79) 2-Chlorotoluene	12.91	91	171354	18.236	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	224656	19.006	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	14854	18.596	ug/l	97
82) 4-Chlorotoluene	13.00	91	183778	18.527	ug/l	99
83) tert-Butylbenzene	13.23	119	190686	18.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	220797	18.665	ug/l	98
85) sec-Butylbenzene	13.40	105	256013	18.241	ug/l	99
86) p-Isopropyltoluene	13.52	119	247092	18.771	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	130171	19.036	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	129921	19.052	ug/l	99
89) n-Butylbenzene	13.84	91	217315	18.426	ug/l	100
90) Hexachloroethane	14.11	117	47864	18.232	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	115225	19.054	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7653	18.476	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83649	18.770	ug/l	98
94) Hexachlorobutadiene	15.27	225	47486	18.095	ug/l	99
95) Naphthalene	15.41	128	136758	18.833	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74363	18.902	ug/l	98

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

