

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061336.D
 Acq On : 26 Mar 2019 15:18
 Operator : VA/AP
 Sample : VD0326SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:25 PM

Quant Time: Mar 27 08:42:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	84933	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	143752	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	127232	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	60375	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	50551	68.99	ug/l	-0.01
Spiked Amount			Recovery	=	137.98%	
35) Dibromofluoromethane	6.92	113	60441	54.95	ug/l	-0.01
Spiked Amount			Recovery	=	109.90%	
50) Toluene-d8	10.40	98	131236	49.20	ug/l	-0.01
Spiked Amount			Recovery	=	98.40%	
62) 4-Bromofluorobenzene	13.55	95	60682	58.32	ug/l	0.00
Spiked Amount			Recovery	=	116.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	13546	15.599	ug/l	98
3) Chloromethane	1.77	50	12630	18.645	ug/l	92
4) Vinyl Chloride	1.86	62	9371	14.795	ug/l #	83
5) Bromomethane	2.17	94	3603	28.027	ug/l #	83
6) Chloroethane	2.29	64	3726	18.699	ug/l #	83
7) Trichlorofluoromethane	2.54	101	15080	16.107	ug/l	100
8) Diethyl Ether	2.88	74	6937	24.920	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.16	101	17408	18.268	ug/l #	85
10) Methyl Iodide	3.32	142	18885	14.185	ug/l	96
11) Tert butyl alcohol	4.06	59	14542	372.797	ug/l #	77
12) 1,1-Dichloroethene	3.14	96	14183	17.297	ug/l	97
13) Acrolein	3.04	56	12936	302.967	ug/l	98
14) Allyl chloride	3.63	41	22582	19.414	ug/l	90
15) Acrylonitrile	4.20	53	46573	339.494	ug/l	89
16) Acetone	3.22	43	50249	286.685	ug/l	95
17) Carbon Disulfide	3.39	76	46887	17.217	ug/l	100
18) Methyl Acetate	3.65	43	16889	50.977	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	40959	28.364	ug/l	92
20) Methylene Chloride	3.82	84	21478	21.590	ug/l #	90
21) trans-1,2-Dichloroethene	4.23	96	15892	17.325	ug/l	94
22) Diisopropyl ether	5.12	45	51354	20.958	ug/l #	90
23) Vinyl Acetate	5.05	43	215606	164.746	ug/l	100
24) 1,1-Dichloroethane	4.99	63	26271	18.398	ug/l #	96
25) 2-Butanone	6.07	43	65652	323.837	ug/l	99
26) 2,2-Dichloropropane	6.03	77	21512	17.742	ug/l	93
27) cis-1,2-Dichloroethene	6.04	96	19832	20.090	ug/l	93
28) Bromochloromethane	6.44	49	14777	24.724	ug/l	98
29) Tetrahydrofuran	6.45	42	34618	343.060	ug/l	97
30) Chloroform	6.67	83	29019	19.071	ug/l	99
31) Cyclohexane	6.95	56	19473	16.802	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	21270	15.783	ug/l	95
36) 1,1-Dichloropropene	7.14	75	18814	15.997	ug/l	96
37) Ethyl Acetate	6.18	43	28886m	58.802	ug/l	
38) Carbon Tetrachloride	7.11	117	23511	17.490	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.86	83	19889	16.328	ug/l #	85
40) Benzene	7.45	78	56008	19.174	ug/l	99
41) Methacrylonitrile	6.43	41	35640	62.433	ug/l	95
42) 1,2-Dichloroethane	7.57	62	19686	21.625	ug/l	96
43) Isopropyl Acetate	9.24	43	33582	47.411	ug/l #	97
44) Trichloroethene	8.54	130	19253	18.225	ug/l	98
45) 1,2-Dichloropropane	8.93	63	13522	18.757	ug/l #	87
46) Dibromomethane	9.06	93	13491	27.301	ug/l	93
47) Bromodichloromethane	9.36	83	21838	18.854	ug/l	88
48) Methyl methacrylate	9.12	41	15255	40.351	ug/l	94
49) 1,4-Dioxane	9.07	88	6018	1450.816	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	116943	277.342	ug/l	99
52) Toluene	10.51	92	37147	20.784	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	22185	22.040	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	25546	20.784	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	17411	29.343	ug/l	90
56) Ethyl methacrylate	11.04	69	21668	34.221	ug/l	97
57) 1,3-Dichloropropane	11.40	76	24036	26.822	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	58714	178.244	ug/l	100
59) 2-Hexanone	11.52	43	92543	302.186	ug/l	97
60) Dibromochloromethane	11.68	129	22036	23.711	ug/l	96
61) 1,2-Dibromoethane	11.80	107	20202	29.139	ug/l	84
64) Tetrachloroethene	11.25	164	15174	17.313	ug/l	94
65) Chlorobenzene	12.40	112	47914	20.445	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	17710	19.492	ug/l	92
67) Ethyl Benzene	12.52	91	65338	18.218	ug/l	98
68) m/p-Xylenes	12.66	106	55892	39.923	ug/l	94
69) o-Xylene	13.05	106	26088	20.092	ug/l	86
70) Styrene	13.07	104	45328	20.570	ug/l	94
71) Bromoform	13.23	173	15636	28.122	ug/l	93
73) Isopropylbenzene	13.40	105	70390	17.925	ug/l	99
74) N-amyl acetate	13.26	43	33653	32.756	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	23674	31.088	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	28933	38.534	ug/l	97
77) Bromobenzene	13.67	156	19379	17.667	ug/l	93
78) n-propylbenzene	13.77	91	85684	19.340	ug/l	97
79) 2-Chlorotoluene	13.83	91	47351	18.356	ug/l	92
80) 1,3,5-Trimethylbenzene	14.23	105	51409	16.595	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	7955	33.572	ug/l	89
82) 4-Chlorotoluene	13.94	91	58902	20.887	ug/l	100
83) tert-Butylbenzene	14.19	119	66325	18.751	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	51409	16.595	ug/l	97
85) sec-Butylbenzene	14.37	105	70080	17.791	ug/l	100
86) p-Isopropyltoluene	14.48	119	59862	17.034	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	39331	20.229	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	38147	20.254	ug/l	97
89) n-Butylbenzene	14.79	91	55084	17.654	ug/l	94
90) Hexachloroethane	15.01	117	14027	14.887	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	34548	22.269	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	3822	40.165	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	18995	26.511	ug/l	97
94) Hexachlorobutadiene	16.04	225	10360	17.945	ug/l	94
95) Naphthalene	16.12	128	47939	45.854	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	10554	31.537	ug/l	93

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

