

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063983.D
 Acq On : 16 Oct 2019 13:14
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:49:49 AM

Quant Time: Oct 16 14:06:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	177706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	277403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141154	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	81188	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
35) Dibromofluoromethane	7.92	113	84777	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.34	98	357982	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.64	95	116176	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	25271	20.052	ug/l	98
3) Chloromethane	2.21	50	71602	18.252	ug/l	95
4) Vinyl Chloride	2.35	62	85166	20.909	ug/l	97
5) Bromomethane	2.76	94	54388	20.770	ug/l	92
6) Chloroethane	2.92	64	58310	21.647	ug/l	93
7) Trichlorofluoromethane	3.27	101	120225	22.325	ug/l	93
8) Diethyl Ether	3.71	74	15871	18.361	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31899	21.399	ug/l	98
10) Methyl Iodide	4.30	142	38138	18.567	ug/l	97
11) Tert butyl alcohol	5.26	59	4600m	31.254	ug/l	
12) 1,1-Dichloroethene	4.06	96	31292	21.011	ug/l	93
13) Acrolein	3.92	56	10000	64.716	ug/l	89
14) Allyl chloride	4.71	41	49756	20.095	ug/l	97
15) Acrylonitrile	5.43	53	36548	95.903	ug/l	99
16) Acetone	4.16	43	37838	84.002	ug/l #	88
17) Carbon Disulfide	4.40	76	96318	17.791	ug/l #	93
18) Methyl Acetate	4.73	43	19557	22.198	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	70736	18.342	ug/l #	88
20) Methylene Chloride	4.96	84	43799	20.115	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	36432	19.650	ug/l #	85
22) Diisopropyl ether	6.37	45	99082	19.593	ug/l	95
23) Vinyl Acetate	6.31	43	284381	94.531	ug/l	97
24) 1,1-Dichloroethane	6.27	63	61842	19.854	ug/l #	90
25) 2-Butanone	7.23	43	47833	89.605	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	55297	19.625	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	40987	19.531	ug/l	98
28) Bromochloromethane	7.55	49	20240	18.318	ug/l	94
29) Tetrahydrofuran	7.57	42	29256	93.895	ug/l	97
30) Chloroform	7.71	83	67902	20.071	ug/l	93
31) Cyclohexane	7.98	56	62649	22.099	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	62307	21.470	ug/l	97
36) 1,1-Dichloropropene	8.12	75	56407	22.239	ug/l	97
37) Ethyl Acetate	7.30	43	21274	18.397	ug/l	98
38) Carbon Tetrachloride	8.10	117	53381	20.827	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	67415	21.617	ug/l	92
40) Benzene	8.36	78	148537	20.436	ug/l	99
41) Methacrylonitrile	7.53	41	8068	13.720	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	42406	20.169	ug/l	100
43) Isopropyl Acetate	8.46	43	38415	18.060	ug/l	97
44) Trichloroethene	9.12	130	42884	20.461	ug/l	97
45) 1,2-Dichloropropane	9.39	63	35422	19.910	ug/l	92
46) Dibromomethane	9.48	93	20547	20.279	ug/l	95
47) Bromodichloromethane	9.67	83	49881	19.122	ug/l #	96
48) Methyl methacrylate	9.47	41	17915	17.578	ug/l	96
49) 1,4-Dioxane	9.47	88	5527	399.635	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	105737	95.850	ug/l	97
52) Toluene	10.41	92	107056	21.456	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	47951	18.837	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	56519	19.289	ug/l #	93
55) 1,1,2-Trichloroethane	10.80	97	29140	20.369	ug/l	85
56) Ethyl methacrylate	10.67	69	33317	18.390	ug/l	95
57) 1,3-Dichloropropane	10.95	76	50269	20.537	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.94	63	77215	99.157	ug/l	100
59) 2-Hexanone	10.99	43	73615	92.251	ug/l	100
60) Dibromochloromethane	11.14	129	34664	18.612	ug/l	99
61) 1,2-Dibromoethane	11.25	107	27068	19.517	ug/l	100
64) Tetrachloroethene	10.88	164	36607	19.696	ug/l #	79
65) Chlorobenzene	11.67	112	114820	21.000	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	40237	19.972	ug/l	97
67) Ethyl Benzene	11.75	91	210660	21.367	ug/l	98
68) m/p-Xylenes	11.86	106	163321	42.918	ug/l	96
69) o-Xylene	12.18	106	72495	19.895	ug/l	100
70) Styrene	12.20	104	125163	20.291	ug/l	99
71) Bromoform	12.36	173	21318	19.717	ug/l #	98
73) Isopropylbenzene	12.48	105	203591	21.455	ug/l	100
74) N-amyl acetate	12.29	43	36896	18.060	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	32223	19.515	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	28229m	29.859	ug/l	
77) Bromobenzene	12.76	156	48050	20.325	ug/l	99
78) n-propylbenzene	12.83	91	247830	22.251	ug/l	99
79) 2-Chlorotoluene	12.91	91	130840	21.304	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	173415	21.905	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.54	75	10088	18.883	ug/l	96
82) 4-Chlorotoluene	13.01	91	139669	21.438	ug/l	99
83) tert-Butylbenzene	13.23	119	143210	20.326	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	170797	20.928	ug/l	100
85) sec-Butylbenzene	13.41	105	212126	22.294	ug/l	99
86) p-Isopropyltoluene	13.52	119	198983	22.101	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	96509	20.660	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	98293	21.329	ug/l	97
89) n-Butylbenzene	13.85	91	188181	22.454	ug/l	96
90) Hexachloroethane	14.11	117	35524	21.938	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	83882	20.837	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5451	19.761	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	58974	18.986	ug/l	99
94) Hexachlorobutadiene	15.27	225	36238	21.141	ug/l	95
95) Naphthalene	15.41	128	98508	18.868	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	52209	19.481	ug/l	99

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

