

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060520\
 Data File : VD065768.D
 Acq On : 05 Jun 2020 10:57
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 6/5/2020 4:12:40 PM

Quant Time: Jun 05 12:49:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 12:42:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	215352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	344778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	315511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	154316	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	21458	9.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.90%	
35) Dibromofluoromethane	7.92	113	21460	9.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.64%	
50) Toluene-d8	10.34	98	77343	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	
62) 4-Bromofluorobenzene	12.63	95	26466	9.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	18493	10.53	ug/l	99
3) Chloromethane	2.21	50	31629	10.61	ug/l	99
4) Vinyl Chloride	2.35	62	34882	10.24	ug/l	95
5) Bromomethane	2.77	94	24932	10.46	ug/l	87
6) Chloroethane	2.93	64	23764	10.35	ug/l	93
7) Trichlorofluoromethane	3.27	101	39883	10.42	ug/l	95
8) Diethyl Ether	3.71	74	9795	10.11	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	23086	10.16	ug/l	98
10) Methyl Iodide	4.30	142	18826	9.49	ug/l	98
11) Tert butyl alcohol	5.22	59	8286	47.44	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	20012	9.81	ug/l	93
13) Acrolein	3.93	56	6845	53.39	ug/l	93
14) Allyl chloride	4.72	41	33139	10.01	ug/l	96
15) Acrylonitrile	5.43	53	21410	48.78	ug/l	100
16) Acetone	4.16	43	19927	48.80	ug/l	97
17) Carbon Disulfide	4.41	76	70250	10.21	ug/l #	94
18) Methyl Acetate	4.72	43	10001	8.90	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	42579	9.48	ug/l	93
20) Methylene Chloride	4.97	84	26715	9.99	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	24881	10.55	ug/l	93
22) Diisopropyl ether	6.36	45	66111	9.94	ug/l #	92
23) Vinyl Acetate	6.31	43	181845	49.92	ug/l	97
24) 1,1-Dichloroethane	6.27	63	41631	10.11	ug/l	96
25) 2-Butanone	7.22	43	26405	46.98	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	36007	9.84	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	24322	9.68	ug/l	95
28) Bromochloromethane	7.56	49	14984	9.65	ug/l	99
29) Tetrahydrofuran	7.56	42	17561	49.63	ug/l	96
30) Chloroform	7.71	83	42140	9.90	ug/l	96
31) Cyclohexane	7.99	56	41062	10.13	ug/l #	85
32) 1,1,1-Trichloroethane	7.91	97	38588	9.83	ug/l	97
36) 1,1-Dichloropropene	8.11	75	33114	9.77	ug/l	99
37) Ethyl Acetate	7.30	43	11988	9.09	ug/l #	97
38) Carbon Tetrachloride	8.10	117	35447	9.97	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	38442	9.77	ug/l	97
40) Benzene	8.36	78	90737	9.91	ug/l	95
41) Methacrylonitrile	7.53	41	7412	9.02	ug/l #	71
42) 1,2-Dichloroethane	8.43	62	27314	9.74	ug/l	98
43) Isopropyl Acetate	8.45	43	24447	9.45	ug/l	98
44) Trichloroethene	9.11	130	25242	9.92	ug/l	91
45) 1,2-Dichloropropane	9.39	63	23054	9.96	ug/l	95
46) Dibromomethane	9.47	93	12420	9.95	ug/l	98
47) Bromodichloromethane	9.66	83	32827	9.76	ug/l #	99
48) Methyl methacrylate	9.46	41	12692	10.03	ug/l	99
49) 1,4-Dioxane	9.47	88	2602	198.26	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	59410	47.12	ug/l	96
52) Toluene	10.41	92	56844	9.69	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	28889	9.75	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	35734	10.18	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	16280	9.82	ug/l	92
56) Ethyl methacrylate	10.66	69	17530	9.33	ug/l #	92
57) 1,3-Dichloropropane	10.95	76	27722	9.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	41486	47.08	ug/l	100
59) 2-Hexanone	10.99	43	39054	46.47	ug/l	100
60) Dibromochloromethane	11.14	129	21835	9.79	ug/l	98
61) 1,2-Dibromoethane	11.25	107	15639	9.68	ug/l	98
64) Tetrachloroethene	10.87	164	21218	9.71	ug/l	96
65) Chlorobenzene	11.67	112	60905	9.76	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	22129	9.57	ug/l	96
67) Ethyl Benzene	11.75	91	107608	9.75	ug/l	98
68) m/p-Xylenes	11.86	106	84133	19.80	ug/l	97
69) o-Xylene	12.18	106	36108	9.58	ug/l	99
70) Styrene	12.20	104	62116	9.54	ug/l	98
71) Bromoform	12.36	173	11228	8.89	ug/l #	99
73) Isopropylbenzene	12.48	105	99430	9.57	ug/l	99
74) N-amyl acetate	12.29	43	21577	9.36	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	17710	9.80	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	13225m	10.94	ug/l	
77) Bromobenzene	12.77	156	23793	9.65	ug/l	95
78) n-propylbenzene	12.83	91	121995	9.67	ug/l	100
79) 2-Chlorotoluene	12.91	91	68746	9.93	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	83255	9.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	5174	9.45	ug/l	96
82) 4-Chlorotoluene	13.01	91	74198	9.92	ug/l	97
83) tert-Butylbenzene	13.23	119	71959	9.62	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	82792	9.57	ug/l	98
85) sec-Butylbenzene	13.41	105	101042	9.64	ug/l	98
86) p-Isopropyltoluene	13.52	119	91281	9.59	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	47859	9.73	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	46962	9.57	ug/l	93
89) n-Butylbenzene	13.85	91	87555	9.57	ug/l	98
90) Hexachloroethane	14.11	117	18640	9.64	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	41376	9.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2684	8.98	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	26706	9.56	ug/l	99
94) Hexachlorobutadiene	15.27	225	16005	9.30	ug/l	98
95) Naphthalene	15.41	128	41797	8.96	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	22521	9.37	ug/l	95

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

