

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066472.D
 Acq On : 28 Aug 2020 20:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:58:36 AM

Quant Time: Aug 29 02:16:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	162057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	234909	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	221090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	116535	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	92108	57.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.94%	
35) Dibromofluoromethane	7.91	113	75253	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.34	98	274214	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.63	95	98257	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	58657	42.575	ug/l	97
3) Chloromethane	2.20	50	42259	43.272	ug/l	95
4) Vinyl Chloride	2.34	62	48618	46.368	ug/l	95
5) Bromomethane	2.75	94	40936	52.196	ug/l	93
6) Chloroethane	2.92	64	32784	48.829	ug/l	94
7) Trichlorofluoromethane	3.27	101	139779	49.024	ug/l	99
8) Diethyl Ether	3.70	74	31882	49.906	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	61067	43.399	ug/l	97
10) Methyl Iodide	4.29	142	72745	45.328	ug/l	94
11) Tert butyl alcohol	5.21	59	23258	256.517	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	58687	44.432	ug/l	90
13) Acrolein	3.92	56	15334	217.341	ug/l	97
14) Allyl chloride	4.71	41	77668	44.056	ug/l	87
15) Acrylonitrile	5.41	53	67403	262.969	ug/l	97
16) Acetone	4.16	43	61420	214.429	ug/l	93
17) Carbon Disulfide	4.40	76	170365	42.561	ug/l	96
18) Methyl Acetate	4.71	43	27408	50.983	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	180018	56.602	ug/l	99
20) Methylene Chloride	4.96	84	77007	50.355	ug/l #	92
21) trans-1,2-Dichloroethene	5.46	96	72410	47.096	ug/l	96
22) Diisopropyl ether	6.36	45	159782	46.812	ug/l #	92
23) Vinyl Acetate	6.30	43	509930	241.324	ug/l	97
24) 1,1-Dichloroethane	6.26	63	117935	48.893	ug/l	97
25) 2-Butanone	7.21	43	77750	239.102	ug/l	97
26) 2,2-Dichloropropane	7.20	77	121585	47.030	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	83761	50.843	ug/l	97
28) Bromochloromethane	7.54	49	43500	52.355	ug/l #	90
29) Tetrahydrofuran	7.56	42	44078	238.653	ug/l	90
30) Chloroform	7.71	83	148940	53.368	ug/l	98
31) Cyclohexane	7.98	56	83550	37.873	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	149121	52.208	ug/l	99
36) 1,1-Dichloropropene	8.10	75	95358	44.489	ug/l	98
37) Ethyl Acetate	7.28	43	36809	50.492	ug/l #	88
38) Carbon Tetrachloride	8.09	117	144320	51.681	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	110561	43.789	ug/l	94
40) Benzene	8.34	78	276146	48.974	ug/l	99
41) Methacrylonitrile	7.54	41	24677m	54.891	ug/l	
42) 1,2-Dichloroethane	8.42	62	112659	56.729	ug/l	99
43) Isopropyl Acetate	8.44	43	74201	50.711	ug/l	99
44) Trichloroethene	9.11	130	90181	49.220	ug/l	97
45) 1,2-Dichloropropane	9.38	63	58956	46.121	ug/l	91
46) Dibromomethane	9.47	93	41900	52.645	ug/l	99
47) Bromodichloromethane	9.66	83	119886	54.773	ug/l	99
48) Methyl methacrylate	9.45	41	37694	49.957	ug/l #	89
49) 1,4-Dioxane	9.46	88	9645	1043.648	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	180275	254.682	ug/l	100
52) Toluene	10.40	92	192173	50.305	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	108470	52.228	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	116978	50.179	ug/l #	88
55) 1,1,2-Trichloroethane	10.80	97	54982	51.029	ug/l	93
56) Ethyl methacrylate	10.66	69	66832	53.582	ug/l #	90
57) 1,3-Dichloropropane	10.94	76	89156	50.025	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	138382	267.129	ug/l	92
59) 2-Hexanone	10.98	43	125813	251.985	ug/l	98
60) Dibromochloromethane	11.14	129	84945	52.303	ug/l	99
61) 1,2-Dibromoethane	11.24	107	54615	51.507	ug/l	96
64) Tetrachloroethene	10.87	164	84840	50.585	ug/l	94
65) Chlorobenzene	11.67	112	217149	49.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	92763	51.605	ug/l	98
67) Ethyl Benzene	11.74	91	376044	48.568	ug/l	97
68) m/p-Xylenes	11.85	106	287712	97.492	ug/l	96
69) o-Xylene	12.18	106	137848	50.210	ug/l	99
70) Styrene	12.20	104	237118	50.300	ug/l	97
71) Bromoform	12.36	173	54404	53.346	ug/l #	96
73) Isopropylbenzene	12.48	105	377181	48.316	ug/l	99
74) N-amyl acetate	12.29	43	67141	47.619	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	52321	46.916	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	43588m	53.167	ug/l	
77) Bromobenzene	12.76	156	100079	50.509	ug/l	98
78) n-propylbenzene	12.82	91	417711	46.666	ug/l	99
79) 2-Chlorotoluene	12.91	91	249300	48.765	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	332793	49.373	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17070	44.197	ug/l #	81
82) 4-Chlorotoluene	13.01	91	260728	48.137	ug/l	97
83) tert-Butylbenzene	13.23	119	285338	48.738	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	335838	50.728	ug/l	97
85) sec-Butylbenzene	13.40	105	358824	46.779	ug/l	99
86) p-Isopropyltoluene	13.52	119	356904	48.254	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	180964	48.927	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	179182	48.249	ug/l	100
89) n-Butylbenzene	13.84	91	294580	45.133	ug/l	98
90) Hexachloroethane	14.11	117	68367	46.792	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	161358	50.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13180	56.350	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123800	49.804	ug/l	98
94) Hexachlorobutadiene	15.27	225	73945	47.869	ug/l	99
95) Naphthalene	15.40	128	212767	54.497	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	111215	52.229	ug/l	98

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

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