

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064403.D
 Acq On : 27 Nov 2019 18:50
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:37 AM

Quant Time: Nov 29 07:07:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	648957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	578853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	79469	21.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.88%	
35) Dibromofluoromethane	7.92	113	78387	21.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.14%	
50) Toluene-d8	10.34	98	303690	21.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.46%	
62) 4-Bromofluorobenzene	12.64	95	94995	19.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	85401	23.228	ug/l	99
3) Chloromethane	2.21	50	107723	26.428	ug/l	99
4) Vinyl Chloride	2.35	62	121710	27.427	ug/l	96
5) Bromomethane	2.76	94	87436	30.483	ug/l	98
6) Chloroethane	2.91	64	80906	28.298	ug/l	99
7) Trichlorofluoromethane	3.27	101	198397	27.419	ug/l	99
8) Diethyl Ether	3.70	74	43006	22.798	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84473	21.557	ug/l	99
10) Methyl Iodide	4.29	142	82680	21.068	ug/l	99
11) Tert butyl alcohol	5.26	59	26372	104.342	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	82404	22.086	ug/l	95
13) Acrolein	3.93	56	37534	165.268	ug/l	97
14) Allyl chloride	4.71	41	127585	19.771	ug/l	100
15) Acrylonitrile	5.43	53	93874	116.078	ug/l	98
16) Acetone	4.17	43	79292	93.388	ug/l	94
17) Carbon Disulfide	4.40	76	259487	22.249	ug/l	99
18) Methyl Acetate	4.73	43	52812	22.111	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	190132	21.412	ug/l	96
20) Methylene Chloride	4.96	84	96279	21.997	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	92407	21.820	ug/l	98
22) Diisopropyl ether	6.37	45	254564	20.952	ug/l	98
23) Vinyl Acetate	6.31	43	735074	107.657	ug/l	100
24) 1,1-Dichloroethane	6.27	63	150525	21.242	ug/l	94
25) 2-Butanone	7.23	43	118794	106.615	ug/l	98
26) 2,2-Dichloropropane	7.21	77	127944	18.772	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	100277	21.975	ug/l	98
28) Bromochloromethane	7.55	49	41666	16.917	ug/l	97
29) Tetrahydrofuran	7.57	42	76279	113.510	ug/l	98
30) Chloroform	7.71	83	157361	21.642	ug/l	98
31) Cyclohexane	7.98	56	146117	20.548	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	143901	20.786	ug/l	99
36) 1,1-Dichloropropene	8.11	75	124352	20.914	ug/l	99
37) Ethyl Acetate	7.30	43	55058	21.749	ug/l	97
38) Carbon Tetrachloride	8.10	117	131028	20.515	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154265	20.388	ug/l	95
40) Benzene	8.36	78	342767	20.936	ug/l	99
41) Methacrylonitrile	7.53	41	34244	21.596	ug/l	95
42) 1,2-Dichloroethane	8.43	62	101532	20.729	ug/l	98
43) Isopropyl Acetate	8.46	43	104555	20.195	ug/l	99
44) Trichloroethene	9.11	130	106408	21.719	ug/l	92
45) 1,2-Dichloropropane	9.39	63	83896	21.009	ug/l	96
46) Dibromomethane	9.48	93	48171	22.367	ug/l	99
47) Bromodichloromethane	9.66	83	120014	20.816	ug/l	99
48) Methyl methacrylate	9.46	41	48728	19.399	ug/l	95
49) 1,4-Dioxane	9.47	88	12459	481.029	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	260519	104.388	ug/l	100
52) Toluene	10.40	92	225781	21.020	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	114877	20.056	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	135192	20.189	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	64157	22.005	ug/l	98
56) Ethyl methacrylate	10.67	69	81834	20.268	ug/l	98
57) 1,3-Dichloropropane	10.95	76	110704	21.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	175896	109.341	ug/l	99
59) 2-Hexanone	10.98	43	181970	103.115	ug/l	99
60) Dibromochloromethane	11.14	129	87976	21.645	ug/l	100
61) 1,2-Dibromoethane	11.25	107	64665	22.135	ug/l	98
64) Tetrachloroethene	10.88	164	89257	20.201	ug/l	97
65) Chlorobenzene	11.67	112	241276	20.536	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	87313	19.562	ug/l	99
67) Ethyl Benzene	11.75	91	424732	20.030	ug/l	98
68) m/p-Xylenes	11.85	106	321909	39.631	ug/l	98
69) o-Xylene	12.18	106	151746	20.143	ug/l	99
70) Styrene	12.20	104	256729	19.553	ug/l	100
71) Bromoform	12.37	173	53469	20.985	ug/l #	100
73) Isopropylbenzene	12.48	105	400613	19.655	ug/l	98
74) N-amyl acetate	12.30	43	92672	19.238	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	68951	22.013	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	45532m	20.382	ug/l	
77) Bromobenzene	12.77	156	103208	20.766	ug/l	99
78) n-propylbenzene	12.83	91	471031	20.223	ug/l	100
79) 2-Chlorotoluene	12.91	91	262969	20.061	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	332932	19.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	20047	17.922	ug/l	95
82) 4-Chlorotoluene	13.01	91	271611	19.817	ug/l	99
83) tert-Butylbenzene	13.23	119	281772	19.155	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	331761	20.045	ug/l	99
85) sec-Butylbenzene	13.41	105	392327	19.778	ug/l	99
86) p-Isopropyltoluene	13.53	119	368017	19.530	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	188037	20.312	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188370	20.911	ug/l	99
89) n-Butylbenzene	13.85	91	336233	19.741	ug/l	99
90) Hexachloroethane	14.12	117	68015	19.468	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	166044	21.136	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11395	20.742	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	123458	20.478	ug/l	98
94) Hexachlorobutadiene	15.28	225	75959	19.580	ug/l	98
95) Naphthalene	15.41	128	211708	21.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	106822	20.713	ug/l	98

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

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