

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064394.D
 Acq On : 27 Nov 2019 14:11
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:02 AM

Quant Time: Nov 29 07:28:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	538911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	785948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	690359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328175	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	24614	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
35) Dibromofluoromethane	7.92	113	23747	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
50) Toluene-d8	10.34	98	93596	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
62) 4-Bromofluorobenzene	12.64	95	29178	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	22856	4.681	ug/l	97
3) Chloromethane	2.21	50	30127	4.892	ug/l	94
4) Vinyl Chloride	2.35	62	34057	4.789	ug/l	96
5) Bromomethane	2.77	94	26539	5.047	ug/l	87
6) Chloroethane	2.92	64	23937	5.036	ug/l	97
7) Trichlorofluoromethane	3.27	101	57564	4.869	ug/l	96
8) Diethyl Ether	3.71	74	12720	5.178	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	25096	4.951	ug/l	99
10) Methyl Iodide	4.29	142	21481	4.013	ug/l	96
11) Tert butyl alcohol	5.24	59	7273m	23.423	ug/l	
12) 1,1-Dichloroethene	4.06	96	23180	4.772	ug/l	92
13) Acrolein	3.91	56	8116	19.163	ug/l	96
14) Allyl chloride	4.71	41	36657	4.836	ug/l	98
15) Acrylonitrile	5.43	53	24461	22.771	ug/l	98
16) Acetone	4.17	43	24291	24.643	ug/l	99
17) Carbon Disulfide	4.40	76	75201	4.888	ug/l	99
18) Methyl Acetate	4.73	43	13777	4.791	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	51703	4.640	ug/l #	89
20) Methylene Chloride	4.96	84	28806	1.432	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	27835	5.066	ug/l	95
22) Diisopropyl ether	6.37	45	70477	4.709	ug/l	93
23) Vinyl Acetate	6.31	43	195883	22.203	ug/l	100
24) 1,1-Dichloroethane	6.27	63	43434	4.826	ug/l	96
25) 2-Butanone	7.23	43	33302	23.889	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	39178	5.006	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	28013	4.676	ug/l	95
28) Bromochloromethane	7.54	49	18037	5.864	ug/l	98
29) Tetrahydrofuran	7.57	42	22197	25.027	ug/l	92
30) Chloroform	7.71	83	52096	5.589	ug/l	96
31) Cyclohexane	7.98	56	52389	2.290	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	41211	4.769	ug/l	99
36) 1,1-Dichloropropene	8.11	75	37664	5.066	ug/l	97
37) Ethyl Acetate	7.30	43	14007	4.440	ug/l #	93
38) Carbon Tetrachloride	8.10	117	37624	4.795	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	46436	5.036	ug/l	95
40) Benzene	8.35	78	97302	4.713	ug/l	98
41) Methacrylonitrile	7.53	41	7501	4.147	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	27752	4.609	ug/l	98
43) Isopropyl Acetate	8.46	43	28219	4.550	ug/l	96
44) Trichloroethene	9.11	130	30102	4.840	ug/l	97
45) 1,2-Dichloropropane	9.39	63	24927	5.048	ug/l	100
46) Dibromomethane	9.48	93	13060	4.686	ug/l	98
47) Bromodichloromethane	9.67	83	35105	4.902	ug/l	94
48) Methyl methacrylate	9.46	41	13319	4.693	ug/l	94
49) 1,4-Dioxane	9.47	88	3522	102.339	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	68220	22.230	ug/l	100
52) Toluene	10.40	92	65537	4.870	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	31436	4.606	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	37065	4.572	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	17833	4.673	ug/l	95
56) Ethyl methacrylate	10.66	69	22678	4.659	ug/l	97
57) 1,3-Dichloropropane	10.95	76	30488	4.693	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	53333	27.487	ug/l	98
59) 2-Hexanone	10.99	43	47396	22.258	ug/l	98
60) Dibromochloromethane	11.14	129	23090	4.463	ug/l	98
61) 1,2-Dibromoethane	11.25	107	16474	4.324	ug/l	98
64) Tetrachloroethene	10.88	164	26223	4.981	ug/l	93
65) Chlorobenzene	11.67	112	70440	4.892	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	25495	4.783	ug/l	97
67) Ethyl Benzene	11.75	91	122806	4.794	ug/l	96
68) m/p-Xylenes	11.85	106	90073	9.221	ug/l	95
69) o-Xylene	12.18	106	42145	4.672	ug/l	98
70) Styrene	12.20	104	67616	4.313	ug/l	96
71) Bromoform	12.36	173	13528	4.242	ug/l #	95
73) Isopropylbenzene	12.48	105	110686	4.690	ug/l	96
74) N-amyl acetate	12.30	43	23394	4.367	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	19143	4.904	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	14238m	5.276	ug/l	
77) Bromobenzene	12.77	156	28550	4.898	ug/l	98
78) n-propylbenzene	12.83	91	133480	4.901	ug/l	99
79) 2-Chlorotoluene	12.91	91	75913	5.066	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	97422	5.051	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	5145	4.157	ug/l	95
82) 4-Chlorotoluene	13.01	91	77676	4.896	ug/l	99
83) tert-Butylbenzene	13.23	119	80656	4.810	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	93781	4.835	ug/l	98
85) sec-Butylbenzene	13.41	105	112302	4.880	ug/l	98
86) p-Isopropyltoluene	13.53	119	104290	4.800	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	54887	4.961	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	55388	5.071	ug/l	93
89) n-Butylbenzene	13.85	91	97033	4.918	ug/l	99
90) Hexachloroethane	14.12	117	19627	4.830	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	46591	4.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	3144	1.107	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	36395	5.027	ug/l	99
94) Hexachlorobutadiene	15.28	225	22790	5.099	ug/l	98
95) Naphthalene	15.41	128	56881	4.707	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	30035	4.860	ug/l	99

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

