

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001090.D
 Acq On : 27 Dec 2019 12:25
 Operator : SY/MD
 Sample : VY1227SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Manual Integrations
 APPROVED

apatel
 12/30/2019 3:33:41 PM

Quant Time: Dec 28 04:23:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	306325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	537758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	474722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	214197	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	153827	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.72	113	159995	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.18	98	670706	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.48	95	218915	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	56325	21.101	ug/l	97
3) Chloromethane	2.12	50	74103	20.398	ug/l	95
4) Vinyl Chloride	2.26	62	72565	20.568	ug/l	95
5) Bromomethane	2.64	94	43713	18.772	ug/l	97
6) Chloroethane	2.79	64	43009	19.573	ug/l	91
7) Trichlorofluoromethane	3.13	101	107099	20.697	ug/l	99
8) Diethyl Ether	3.53	74	44321	20.982	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	71037	20.899	ug/l	99
10) Methyl Iodide	4.10	142	91875	19.563	ug/l	100
11) Tert butyl alcohol	4.97	59	32257	97.103	ug/l #	90
12) 1,1-Dichloroethene	3.88	96	73612	21.391	ug/l	95
13) Acrolein	3.74	56	37101	90.139	ug/l	97
14) Allyl chloride	4.49	41	107079	20.030	ug/l	100
15) Acrylonitrile	5.18	53	108202	102.496	ug/l	99
16) Acetone	3.96	43	72456	104.102	ug/l	94
17) Carbon Disulfide	4.20	76	231066	20.548	ug/l	100
18) Methyl Acetate	4.48	43	54846	20.539	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	178101	20.052	ug/l	99
20) Methylene Chloride	4.71	84	86989	21.234	ug/l	91
21) trans-1,2-Dichloroethene	5.23	96	80258	21.044	ug/l	97
22) Diisopropyl ether	6.13	45	220671	20.422	ug/l	99
23) Vinyl Acetate	6.07	43	672155	98.494	ug/l	99
24) 1,1-Dichloroethane	6.03	63	130790	20.482	ug/l	99
25) 2-Butanone	6.99	43	121763	99.585	ug/l	100
26) 2,2-Dichloropropane	6.99	77	106537	20.307	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	85833	20.485	ug/l	99
28) Bromochloromethane	7.35	49	45509	18.265	ug/l	96
29) Tetrahydrofuran	7.36	42	83954	96.527	ug/l	95
30) Chloroform	7.52	83	122409	20.272	ug/l	98
31) Cyclohexane	7.79	56	133650	19.904	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	102502	19.900	ug/l	98
36) 1,1-Dichloropropene	7.93	75	105723	20.608	ug/l	98
37) Ethyl Acetate	7.08	43	55677	19.600	ug/l	98
38) Carbon Tetrachloride	7.90	117	92197	20.512	ug/l	99

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39) Methylcyclohexane	9.19	83	141064	20.706	ug/l	99
40) Benzene	8.17	78	322138	20.814	ug/l	98
41) Methacrylonitrile	7.33	41	24126m	19.590	ug/l	
42) 1,2-Dichloroethane	8.24	62	74399	20.106	ug/l	100
43) Isopropyl Acetate	8.28	43	100199	19.055	ug/l	97
44) Trichloroethene	8.94	130	85047	20.856	ug/l	90
45) 1,2-Dichloropropane	9.22	63	78102	20.116	ug/l	95
46) Dibromomethane	9.31	93	40737	20.354	ug/l	99
47) Bromodichloromethane	9.50	83	92158	19.878	ug/l	97
48) Methyl methacrylate	9.30	41	41511	18.499	ug/l	94
49) 1,4-Dioxane	9.30	88	11572	395.243	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	267270	97.516	ug/l	98
52) Toluene	10.24	92	195522	20.525	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	99061	19.688	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	119574	19.764	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	63028	21.094	ug/l	95
56) Ethyl methacrylate	10.51	69	85279	20.054	ug/l	97
57) 1,3-Dichloropropane	10.79	76	106321	20.300	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	167318	101.868	ug/l	100
59) 2-Hexanone	10.83	43	179064	94.420	ug/l	97
60) Dibromochloromethane	10.99	129	64869	20.324	ug/l	100
61) 1,2-Dibromoethane	11.09	107	59860	20.950	ug/l	97
64) Tetrachloroethene	10.72	164	89974	21.905	ug/l	96
65) Chlorobenzene	11.52	112	206280	20.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	68717	21.146	ug/l	97
67) Ethyl Benzene	11.59	91	365481	20.635	ug/l	99
68) m/p-Xylenes	11.70	106	280953	41.777	ug/l	98
69) o-Xylene	12.03	106	132344	20.918	ug/l	99
70) Styrene	12.04	104	221723	20.610	ug/l	99
71) Bromoform	12.20	173	36323	20.074	ug/l #	97
73) Isopropylbenzene	12.33	105	346015	20.875	ug/l	100
74) N-amyl acetate	12.14	43	84716	19.455	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	64923	19.882	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	46906m	17.763	ug/l	
77) Bromobenzene	12.61	156	78062	20.940	ug/l	97
78) n-propylbenzene	12.67	91	417930	20.692	ug/l	98
79) 2-Chlorotoluene	12.75	91	227782	20.422	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	279646	20.582	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24862	20.081	ug/l	99
82) 4-Chlorotoluene	12.85	91	233136	20.124	ug/l	98
83) tert-Butylbenzene	13.07	119	240504	21.087	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	283242	20.745	ug/l	99
85) sec-Butylbenzene	13.25	105	350467	20.844	ug/l	99
86) p-Isopropyltoluene	13.37	119	303231	20.842	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	147927	20.661	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	149813	20.742	ug/l	99
89) n-Butylbenzene	13.69	91	304976	20.835	ug/l	99
90) Hexachloroethane	13.95	117	55849	20.375	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	134984	20.438	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10847	19.855	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	93695	21.018	ug/l	99
94) Hexachlorobutadiene	15.11	225	44135	20.805	ug/l	98
95) Naphthalene	15.23	128	215083	20.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	82420	20.732	ug/l	99

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

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